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PREFACE.

In adapting my "Check Tablets" to the glossary of "Wood's Plant Record," it has been necessary to change some of the "headings" and "sub-titles," but the principle and general arrangement of terms remain the same as I adopted in my "Scheme for Plant Analysis," published at Berlin, Wisconsin, A. D. 1876.

In preparing these tablets I have been guided by the conviction that the chief value of Botany, as an educational means. is to teach correct habits of investigation, and at the same time to develop systematically those faculties of the mind that are exercised in the prosecution of such work.

To familiarize botanical terms, and to learn the name of the plant simply, are, in my view, entirely subordinate to this higher end. System, then, is indispensable, as is also completeness as far as practicable. I have endeavored to so arrange these tablets as to make the attainment of these results almost certain, even in the hands of inexperienced teachers.

The classified arrangement of the terms used in describing the plant necessitates systematic observation and a high degree of thoroughness, while at the same time it saves the tedious labor of writing out the description of the plant, and the mental energy which must otherwise be exhausted in an unprofitable effort to recall technical descriptive terms.

The fundamental basis, upon which rests the system of these tablets, is in the main that suggested in an "Outline of a Course of Oral Instruction," by Prof. T. C. Chamberlin.

F. H. KING.

WHITEWATER, WIS., *February* 14, 1877.

EXPLANATIONS.

DESCRIPTIVE terms are defined in the glossary under corresponding heads, and usually in the order they occur in the check tablet. Other related terms are given and defined in their appropriate place. The numbers of the sections and pages placed after the "headings" and "sub-titles" will enable the pupil to turn directly to the definition or information desired. If a particular feature of the plant is not described by any term under that head, write the proper term in the blank space at the end of the list. The proper term may in most cases be found by referring to that head in the glossary.

An observation of the specimen page will indicate the general method of indicating the description.

To describe the "surface" of any part of the plant, affix to the letter *a*, *b*, or *c*, found under that head, the number found opposite the word describing the similar character of the leaf. Thus *b*..1 or *c*..8 would indicate a pubescent or hispid stem.

In a similar manner describe the "form" of bracts, scales, sepals, and petals. When a close description is desired, it will sometimes be desirable to prefix qualifying words and expressions to descriptive terms. In describing the floral envelopes, use *c.* for calyx, *co.* for corolla, *s.* for sepals, and *p.* for petals, instead of the check. The border of labiate corollas may be described by prefixing to "lobed, cleft," etc., such expressions as $\frac{2\text{-}2}{2\text{-}3\text{-}2}$, which indicates that the upper lip is two-lobed, and the lower three-lobed, and that the outer lobes of the lower lip equal the lobes of the upper lip, while the middle lobe is larger.

When the upper and lower surface of leaf, petal, etc., differ in quality of surface or color, prefix to the descriptive term or to its number, instead of the check, this mark) for lower surface, and this (for the upper.

When it is impossible or too difficult to determine a particular feature of the plant, pass it by. Never guess. When the character is doubtfully ascertained prefix the (?).

Very young pupils should not be required to make the more difficult determinations, and the teacher must use his or her judgment as to what points ought to be omitted

GLOSSARY OF BOTANICAL TERMS.

Figure 1. Ranunculus fascicularis, or Early Crowfoot.

Plant 2f, pubescent.

Root fasciculate, 2f.

Stem ①, ascending, branched.

Leaves radical and cauline, bipinnatifid.

Flowers $\sqrt[5]{}$, hypogynous.

Fruit many achenia.

§ 1. THE PLANT.

LIFE, or DURATION.

① Annual; an herb fruiting and dying in its first year.

② Biennial; herb fruiting and dying in its second year.

2f Perennial; herb living many years, its root being perennial, its parts above-ground annual.

HABIT.

♄ Undershrub deciduous, low (5 f or less), woody, leaves deciduous.

♄ the same with evergreen leaves.

♄ Shrub deciduous, woody, 6 f to 20 f in stature, leaves deciduous.

♄ The same with evergreen leaves.

♅ Tree deciduous, woody, with deciduous leaves.

♅ Tree with evergreen leaves.

♄ Vine herbaceous, annual or biennial.

♄ Vine perennial, not woody.

♄ Vine woody, deciduous.

♄ Vine woody, evergreen.

⌊~ Trailing herb, annual or biennial.

⌊~ Trailing herb, perennial.

HABITAT.

*Terr*estrial; growing in the soil out of water.

*Aq*uatic; growing in the water.

*Para*sitic; growing on other plants and feeding on their juices or sap.

*Ae*rial; living on materials drawn wholly [from the air.

SIZE.

Height or diameter in feet (f) and inches (').

QUALITIES (general or special)*

Of Surface.

Not hairy.

*Glab*rous; smooth, quite naked of all hairs, bristles, etc.
*Pru*inous; or Glaucous; covered with powder or bloom. Ex. Cabbage.
*Pulv*erulent; dusty.
*Dot*ted; dots resinous or black.
*Punc*tate; with pellucid dots, like punctures of a needle.
*Mac*ulate; with spots or blotches.
*Ver*rucous; warty.
*Glan*dular; covered with glands.
*Scab*rous; rough with points.

Hairy.

*Pub*escent; downy with dense, short, soft hairs.
*Puber*ulent; minutely pubescent.
*Pil*ous; hairs thin, erect, and rather long.
*Vil*lous; hairs long and soft.
*Lan*uginous; with woolly hairs.
*Tom*entous; hairs matted like felt.
*Ser*iceous; hairs silky.
*Vel*vety. Cobwebby.
*Floc*cous; with cottony tufts.
*Hoa*ry; with whitish down.

Bristly, or *Armed.*

*Acul*eate; prickly.
*Ech*inate; with long, barbed prickles.
*Hisp*id; beset with stiff hairs.
*Mur*icate; rough with hard points.
*Spi*nous; with scattered spines.
*Sting*ing; beset with stinging hairs.
*Str*igous; clothed with appressed, sharp, rigid hairs.

Of Texture.

*Mem*branous; thin and soft.
*Cor*iaceous; texture of leather.
*Succ*ulent; fleshy or juicy.
*Scar*ious; dry, colorless.
*Herb*aceous; green and leaf-like.
*Pet*aloid; colored like petals.
*Rug*ous; wrinkled.
*Crisp*ate; crisped in the margin.

Of Color.

Cyanic.—*Bl*ue. *Blush*. *Br*own. *Cr*imson. *Fl*esh-color. *Lil*ac. *Liv*id. *P*urple. *Pink*. *R*ed. *Ros*y. *Sc*arlet. *V*iolet.

Xanthic.—*Cit*ron. *Cop*per. *Cr*eam. *G*olden. *Or*ange. *Str*aw. *Sul*phur. *Y*ellow.

Neutral.—*Bl*ack. *Ch*estnut. *Cin*erous. *D*ark. *Ferr*uginous. *Fi*ery. *Gr*een. *Glau*cous. *Hoa*ry. *Oli*ve. *Pa*le. *Pel*lucid. *Spot*ted. *Str*iped. *T*awny. *Vari*egated. *W*hite.

☞ **Remark.** If the inner (upper) surface of sepal, petal, or leaf be intended, indicate the quality thus :—
(P. = purple inside, (Vil. = villous inside.
If the outer side be intended, thus :—
P. (= purple outside, or lower side.
Vil. (= villous outer or lower side.

§ 2. ROOT.

LIFE. (See § 1.)

① Annual. ② Biennial. ♃ Perennial.

KINDS.

Axial, or Tap Roots.

*Con*ical; largest at top, tapering all the way down. Ex. Carrot.

*Fus*iform; large in the midst, tapering both ways. Ex. Beet.
*Nap*iform; turnip-shaped.

*Ram*ous; a woody tap-root finally dissolved into branches.

Inaxial.

*Fib*rous; wholly of thread-like fibers, as the Grasses generally.

*Fasc*iculate; having some of the fibers thick and tuberous.

*Nod*ulous; fiber thickened in one or two places only.

* May appertain to the whole plant, or to any of its parts, viz., to the stem, stalks, leaves, stipules, bracts; to the flower, or to special parts thereof; to the fruit; also to the juices or sap.

*Moni*liform ; having the fiber enlarged at regular intervals.

*Tuber*cular ; with tubercles (little tubers) here and there. Clover.

§ 3. STEM.

LIFE, ETC.

Herbaceous ; dying down to the ground each year.

Fruticous, or Frutescent ; woody and shrubby.

Suffruticous ; shrubby at base, herbaceous above.

Arboreous ; tree-like, being a proper trunk.

HABIT—

Of Growth.

*Exog*enous ; increasing by annual layers added to the outside. Elm.[8]

8

7

*End*ogenous ; increasing by accretions made internally. Palm.[7]

Of Direction, or Posture.

Erect ; growing directly upwards.

*Dec*umbent ; reclining to the ground.

*Pros*trate ; lying flat on the ground.

*Climb*ing, by tendrils, by petioles, or by cirrhous roots, as Ivy.

*Twin*ing ; arising by coiling itself around objects, as the Hop.

*Dif*fuse ; loosely spreading in all directions.

Of Branching. [Palm.

*Sim*ple ; not branching at all, as Mullein or

*Furc*ate, or Forked ; dividing into two or three equal branches.

*Brac*hiate ; arm-like, with opposite branches.

*Exc*urrent ; trunk running through to the top. Ex. Fir. [branches.

*Solv*ent, or deliquescent ; trunk soon lost in

With Runners ; branches from the base which take root, as in the Strawberry.

*Stol*oniferous ; branches bending from above and striking root, as in Thimble-berry.

KINDS.

Leaf-stems, or Stems aerial.

Culm ; the stem of Grasses, Sedges.

Caulis ; the ordinary stem of herbaceous plants.

Trunk ; the woody stem of trees.

Vine ; stem slender and weak, climbing or trailing.

Scale-stems (subterranean).

*Rhiz*ome, or Root-stock ; a prostrate stem, more or less fleshy under ground. Solomon's Seal.

Corm ; a solid, rounded or oval, underground stem. Jack-in-the-pulpit.

Bulb ; a short, rounded or oval stem composed of scales. Lily.

Tuber ; a thickened portion of an underground stem. Potato.

Creeper ; a prostrate, slender scale-stem near the surface.

FORMS.

Solid ; with no cavity in the center.

*Tub*ular ; hollow, like Wheat straw.

*Ter*ete ; cylindrical, or nearly so.

*Ang*ular ; same as prismatic.

*Triang*ular, Quadrangular, etc.

*Str*iate ; with slight longitudinal lines.

*Groov*ed ; furrowed with deep longitudinal channels.

*Prem*orse : ending abruptly, as if bitten off, as some rhizomes.

§ 4. LEAVES.

LIFE.

*Pers*istent, or Evergreen ; living a full year or more.

*Decid*uous ; falling in Autumn at the coming of frosts. [Summer.

*Cad*ucous, or Fugacious ; falling off early in

PLACE.

Vernation (place in the bud).

Straight ; flat and open in bud.

*Recl*ined ; bent forward, the apex to the base. Tulip Tree.

*Cond*uplicate ; the two halves folded on the midvein, face to face. Oak.

*Plic*ate ; each leaf folded at the midvein and veinlets like a fan. Birch.

*Circ*inate ; rolled from the top forward and downwards. Ex. Fern.

*Conv*olute ; rolled up from one side to the other. Cherry.

*Inv*olute ; rolled inwardly from both sides. Violet.

*Rev*olute ; rolled backwards from both sides. Dock.

*Equit*ant ; astraddle, each leaf conduplicate, and the outer embracing both margins of the inner. Iris.

*Obv*olute ; half equitant, each leaf embracing only one-half or margin of the other. Sage.

*Triq*uetrous ; equitant, and the bud 3-angled. Sedge.

Position (place on the plant).

*Rad*ical ; growing from the base (*r r*), or from an underground stem.

*Caul*ine ; growing from the stem above ground (*c c*).

*Ram*ial ; growing from the branches.

9 The Hare Bell, Campanula rotundifolia.

Phyllotaxy (place relative to each other).

*Alt*ernate one above another in a spiral train (*c c*).

*Fasc*iculate ; clustered, several or many together. Pine.

*Opp*osite ; two against each other at the same node. Sage.

*Decuss*ate ; the successive pairs crossing each other at right angles. Motherwort.

*Vert*icillate ; more than two in a circle at the same node.

Elm ($\frac{1}{2}$) Cycle ; cycle consisting of 1 turn and 2 leaves.

Alder ($\frac{1}{3}$) Cycle ; cycle of 1 turn and 3 leaves.

Cherry ($\frac{2}{5}$) Cycle ; cycle of 2 turns, 5 leaves.

Osage Orange ($\frac{3}{8}$) Cycle ; cycle consisting of 3 turns and 8 leaves.

White Pine ($\frac{5}{13}$) Cycle ; 5 turns and 13 leaves.

CONSTRUCTION.

Venation, or Framework.

*Parall*el-veined ; as the leaves of the Grasses, Corn, Lilies.

*Net-v*eined ; veins forming a net-work, as in Rose, Beech.

*Pinni-v*eined ; feather-veined, the midvein sending off side veinlets, as in the Cherry leaf.

*Tripli-v*eined ; the lowest veinlet on each side the largest. Solidago.

*Palmi-v*eined ; when 5, 7, or 9 coëqual veins radiate from the base of the blade (top of the petiole) to the margin.

Constitution (how constituted).

*Sess*ile ; without a leaf-stalk (= petiole).

*Pet*iolate ; having a petiole.

*Stip*ulate ; a pair of stipules at the base of the petiole.

*Exstip*ulate ; destitute of stipules.

*Perfol*iate ; the stem apparently passing through the blade.

*Cirr*hous ; ending in a tendril. Ex. Pea.

Composition (how compounded).

Simple ; consisting of a single blade.

Pinnate ; leaflets arranged along each side of the rachis.

*Odd pin*nate ; leaflets of an odd number, as 5, 7, 9, etc.

*Equ*ally *pin*nate ; leaflets of an even number, as 4, 8, 10.

Interruptedly pinnate; the leaflets alternately large and small, as in Potato.

*Tern*ate, or *Trif*oliate; consisting of 3 leaflets, a pair and an odd terminal one.

Binate; consisting of a single pair only. Jeffersonia.

*Bipinn*ate; twice pinnate, the leaflets (= pinnæ) themselves also pinnate.

*Tripinn*ate; thrice pinnate, the pinnæ becoming bipinnate.

*Decomp*ound; the division becoming still more complicated.

Palmi-3-*fol*iate; leaflets 3, all sessile, or stalked alike. Clover.

Palmi-5-*fol*iate; palmi-7-foliate; etc. Buckeye, Hemp, Lupine.

FORM OF BLADE.

Outline.

*Fil*iform; thread-like, as the leaves of Asparagus.

*Acic*ular; needle-shaped, or bristle-shaped, as in Pine.

Subulate; awl-shaped, shaped like a cobbler's awl.

*Ens*iform; sword-shaped, with the edges vertical. Iris.

*Lin*ear; long, narrow, with the margins parallel. Grass.

*Ov*ate; with the outline of an egg, being broader at the base.

*Lanc*eolate; lance-shaped, narrower than ovate.

*Delt*oid: somewhat triangular, like the Greek letter △ delta.

*Orbic*ular; roundish or quite circular.

*Ellip*tical; with the outline of an ellipse, or rather, of an elliptic spring.

Oval; broadly elliptical, or ovate with equal ends.

*Obl*ong; narrowly oval, with the sides somewhat parallel.

*Obov*ate; inversely ovate, the narrow end at the base.

*Oblanc*eolate; lanceolate, with the narrow end at base.

*Spat*ulate; narrower than oblanceolate, like a surgeon's spatula.

*Cun*eate; shaped like a wedge, with the acute end at base.

Base.

Acute; ending at base in an acute angle.

Obtuse; ending in an obtuse angle, or rounded.

*Trunc*ate; appearing as if cut square off.

*Cord*ate; heart-shaped, with a re-entering angle.

*Auric*ulate; ear-shaped, with blunt lobes at the base.

*Sag*ittate; arrow-shaped; base lobes pointed, and turned backwards.

*Hast*ate; halbert-shaped, the lobes acute and turned outwards.

*Pelt*ate; shield-form, the base lobes united behind the insertion of the petiole.

*Reni*form; kidney-shaped, with a broad shallow sinus.

*Clasp*ing; leaf sessile and its base lobes embracing the stem.

*Conn*ate; two opposite leaves cohering by their bases.

*Decurr*ent; when the leaf margins run down the stem.

Apex.

*Acum*inate ; prolonged into a long tapering point.
Acute ; with an acute angle.
Obtuse, with an obtuse angle.

*Trunc*ate ; as if cut square off.
*Ret*use ; the end rounded and slightly indented.

*Emarg*inate ; the apex with a notch.
*Bif*id ; the blade 2-cleft at apex.

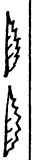
*Obcor*date ; inversely heart-shaped.
*Cusp*idate ; abruptly contracted to a sharp, slender point.

*Muc*ronate ; -tipped with a projecting spiny midvein.
*Arist*ate ; bristle-pointed.

Marginal Forms.

*Rev*olute ; margin turned or rolled backwards.
*Ent*ire ; bounded by an even, flowing outline
Sometimes a marginal vein runs along the edge to strengthen it.

*Serr*ate ; with sharp teeth tending forward like saw teeth.
*Dent*ate ; with teeth pointing outwards from the center.



*Serr*ulate ; minutely serrate.
*Dentic*ulate ; minutely dentate.
Doubly serrate ; the teeth themselves again serrated.
Doubly dentate ; the teeth themselves again dentate.
Crenate ; with rounded teeth.
Crenulate ; finely crenate.
*Rep*and ; with a margin like that of an umbrella.

*Und*ulate ; wavy.
Sinuate ; deeply wavy.
*Cil*iate ; fringed with hairs.
*Fimbr*iate ; fringed with slender segments.

Incised ; cut into sharp, deep, irregular teeth.
Pinnatifid ; a pinni-veined leaf cut into segments.

*Pect*inate ; cut as if into comb-teeth.
Pinnatisect ; cut into many narrow branching segments.
Lyrate ; pinnatifid, with the terminal lobe the largest.

*Runc*inate ; pinnatifid with the segments turned backwards.

*Trilo*bate ; blade with two shallow incisions, and three lobes.
5-lobed ; 7-lobed, etc.
3-parted ; 5-parted, etc., with the incisions deeper than *lobed*.

SIZE: expressed by numerals in inches (′) and lines (″).

QUALITIES of Surface, Texture, Color (§ 1).

§ 5. PETIOLE. SHEATH.

FORM.

Terete ; cylindrical or cylindraceous.
Semiterete ; flat on the upper side.
*Chan*neled ; grooved.
*Marg*ined ; winged, expanding laterally.
*Comp*ressed ; flattened on the sides, as in the Poplar.
Phyllodia ; leaf-like petioles expanded vertically, as in Acacia.
*Clasp*ing ; expanded at the base backwards.
Sheathing ; enveloping the stem, as in the Umbelworts (13).
*Coil*ing ; like a tendril, and serving the same purpose.
*Tub*ular ; sheath closed and entire around the stem, as in Sedges.
Split ; sheath open in front all the way down, as in Grasses.
Striate ; marked with fine prominent lines [lengthwise.

SIZE.

Length expressed in inches (′), etc.

QUALITY of Surface, etc. (§ 1.)

*Glab*rous. *Gland*ular. *Pub*escent.
Prickly. *Vill*ous. Hairs spreading, etc.

§ 6. STIPULES.

LIFE, or DURATION. (§ 4.)

*Per*sistent. *Decid*uous.
*Cad*ucous, or *Fug*acious.

12 11 10

KIND.

*Lig*ule; the membranous appendage at the top of the sheath, in most Grasses. 11, *lg.*

*Och*rea; sheath-like, enclosing the stem, as seen in Polygonum. 12, *o.*

Stipular tendrils, serving for climbing, as in Green-brier.

Spinous; stipules in the form of spines, as in the Locust.

*Intrafoli*aceous; in front of the leaf, as in the Pondweed.

*Adn*ate; adhering to the petiole, as in the Rose.

*Foli*aceous; leaf-like.[10]

*Set*aceous; in the form of bristles.

FORM OF BLADE. (§ 4.)

§ 7. INFLORESCENCE.

PLACE, or POSITION.

*Term*inal; developed at the summit of the stem or branches.

*Ax*illary; from the axils of the leaves.

*Rad*ical; arising from the root, or the subterranean stem.

Erect; looking upward.

*Nod*ding; looking horizontally.

*Pend*ulous; looking downward.

Secund; the flowers all inclined to one side, as in Solidago.

KINDS, or MODES.

Axillary, or Centripetal (outer or lower flowers opening first). [leaf-axil.

*Sol*itary; when a single flower comes from a

Spike; sessile flowers arranged along a lengthened rachis.

Spadix; a thick fleshy rachis with sessile or imbedded flowers, usually enveloped in a spathe.

Catkin, or Ament; a slender rachis with scaly bracts and imperfect flowers, all caducous together.

*Race*me; like the spike, but the flowers each on a pedicel.

*Cor*ymb; a flower-cluster convex or level on the top.

*Pan*icle; an irregularly branched raceme. Catalpa.

Thyrse; a compact panicle.

*Umb*el; pedicels equal, arising from a common point.

Head, or Capitulum; a globular cluster of sessile flowers.

Terminal, or Centrifugal (inner or terminal flowers opening first).

*Sol*itary; when a single flower terminates the axis or stem.

Cyme; a cluster more or less condensed and level-topped, whose central fls. are earliest.

Cymous panicle, a loose open cyme, as of Chickweed.

Cymous thyrse; as in Ptelea.

Scorpoid cyme; a circinnate half-cyme, uncoiling as it blossoms.

*Fas*cicle; a dense cyme with erect flowers, as in Sweet William. [Monarda.

*Glom*erule; a condensed, capitate cyme, as in

*Vertic*illaster; a pair of cymes opposite, forming a whorl.

APPENDAGES.

Stalk.

Length in inches (′), etc.

*Ped*uncle; the stalk of a cluster or of a solitary flower.

*Pedic*el; the stalk of each single flower in the cluster.

*Rach*is; the axis of an inflorescence.

*Sc*ape; a flower-stalk arising from a subterranean stem.

Bracts (reduced leaves near or among the flowers).

*Foli*aceous; leaf-like, green.

*Pet*aloid; colored, petal-like.

Spathe; a bract subtending a spadix, often colored.

Involucre; a whorl or suit of bracts surrounding an umbel, or head, or corymb, or a solitary flower. (*a*)

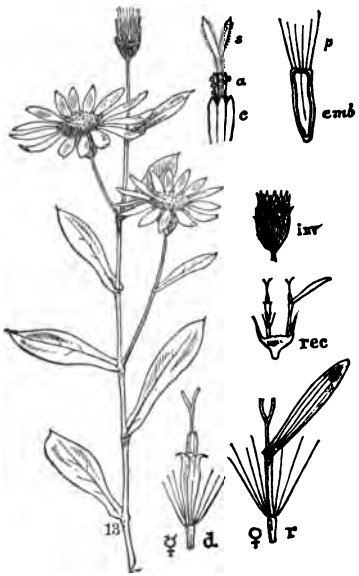
Involucel; a whorl of bractlets surrounding a partial umbel. (*c*)

Scales; bracts composing the involucre of the Compositæ, or Oaks.

Pales; the chaffy bracts on the receptacle of the Compositæ. [Grasses.

Chaff; glumes and pales of the Sedges and

§ 8. INFLORESCENCE OF THE COMPOSITÆ.



13 Aster lævis.

HEAD, or CAPITULUM.

Kind.

*Homog*amous; florets all of one sex. (15, *a*.)

*Heterog*amous; florets not all of one sex. 16.

*Monœ*cious; heads ♂ and heads ♀ on the same plant. [other.

*Diœ*cious; heads ♂ on one plant and ♀ on an-

Form.

*D*iscoid; rayless (*a*), the florets all tubular (*f*). Iron-weed (15).

Radiate; the marginal florets ligulate (*r*), the central (disk) florets tubular (*d*). Aster. 13.

Radiant; all the florets ligulate. Lactuca. 14.

INVOLUCRE.

Kind.

Simple; consisting of a single row or circle of scales (bracts). [lapping. *a*.

*Imbr*icated; scales in several rows and over-

*Calyc*ulate; the outer row different and calyx-like. Dandelion.

Form.

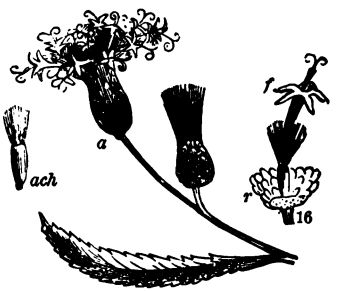
Ovoid; shape of an egg. 15, *a*.

Conical; of an inverted cone.

*Turb*inate; shape of a top (toy).

Cup-shaped.—Saucer-shaped.

*Cyl*indrical.—Bell-shaped.



15. Vernonia.

SCALES AND PALES.

Number. 4, 5, 10 —— ∞.

Few; when less than 12.

Indefinite; more than 12.

Place.—Erect. *Appr*essed. Loose.

Involute; clasping the flower.

*Squarr*ous; points wide-spread.

Form. (See § 4.)—*O*vate. *Lin*ear. *Lanceo*late. Pointed. Spinescent.

Qualities of

Color.—*R*ed. *Purp*le. Yellow. *Gr*een. Green-tipped. *W*hite. [ny.

Texture.—(§ 1.) Herbaceous. *Scar*ious. Hor-

RECEPTACLE (place where the fls. stand).

Form.—Flat. Convex. Conical. Columnar Globular.

Quality of Surface.

Naked; without chaff or bristles.

*Alv*eolate ; honey-comb-like.
Chaffy ; bearing pales with or among the [florets.
Bristly ; bristles among the florets.

RAYS, or RAY-FLOWERS (*r*).

Number. 5. 10. 20. ∞. etc.

In one or two rows.

Kind. Perfect (☿ very rarely).

Staminate (♂). Pistillate (♀).
Neutral. Sterile. Fertile.

Form. (§ 10.)

*Lig*ulate ; strap-shaped, 13, *r*.
Tubular ; like those of the disk, 13, *d*.
Linear (the ray). Oblong. Ovate.
3-toothed, 5-toothed, 4-toothed.

Quality of Color.

White. Yellow. Red, etc. (§ 1.)

DISK, or DISK-FLOWERS (*f*).

Number. 5. 10. 20. ∞. etc.

Kind.

Perfect (☿). ♂. ♀.
Fertile. Sterile.

Form. (§ 10.)

Tubular. Labiate. 4-toothed. 5-toothed.

Quality of Color. (§ 1.)

STIGMAS (always 2).

Place.—Straight. Incurved. Recurved.

Form.—Terete. Flattened. Linear. Truncate. Obtuse. Acute. Pointed.

Quality.—Hispid. Pubescent. Papillous in lines, or all over.

FRUIT (Achenia or Cypsela. § 12.)

Form.—Linear. Terete. *Ang*ular.

*Comp*ressed ; flattened laterally.
*Obcomp*ressed ; flattened parallel with the circumference.
*Str*iate ; with fine raised lines.

Quality of Surface, Color (§ 1.)

PAPPUS (a reduced form of Calyx crowning the fruit.)

Life, or Duration.

*Decid*uous ; falling with the flower.
*Persist*ent ; remaining on the fruit.

Number (of bristles, etc.).

2. 5. 8. ∞. Scanty. Copious.

Construction.

Simple ; of uniform pieces or parts.
Double ; outer row shorter or different.
Stiped ; mounted on a stalk, as in Dandelion.

Form.

Capillary. Bristly. Plumous.
Barbed. Of scales. Of awns.

Quality of Color. White. Tawny.

§ 9. INFLORESCENCE OF SEDGES AND GRASSES.

INFLORESCENCE general.

Place and Kind. (§ 7.)

Appendages.

Branches of the panicle in 3s, 5s, etc.
Branches of the panicle alternate.

SPIKES of the Sedges, or **SPIKELETS** of the Grasses.

Number. Few. Many. Or
In numerals, 1. 2. 3. 7. ∞. etc.

Kind.

☿ All its flowers perfect.
♀ All its flowers pistillate.
♂ All its flowers staminate.
♂ Monœcious.
♂ ♀ Dicœcious.

Form.

*Flat*tened. Terete. Ovoid. Ovate.
*Glob*ular. *Obl*ong. *Lanc*eolate.

Size, or Length.

Expressed in inches (') or lines (").

Quality of Color.

*G*reen. *Br*own. *T*awny. *W*hite.

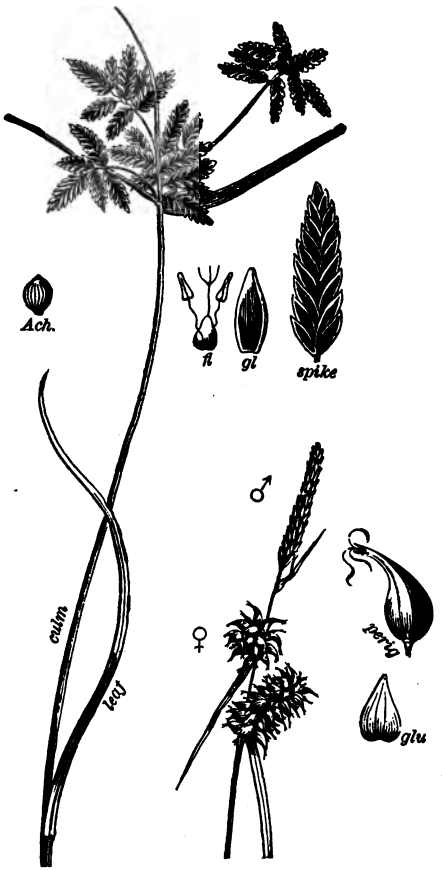
FLOWERS.

Number in the spike or spikelet.

Kind. ☿. ♀. ♂.

*Fer*tile. *Ster*ile. Upper fertile. Middle fertile. Lower fertile.

Stamens. 1. 2. 3.
Styles. 2. 3.



16. Cyperus diandrus. 17. Carex flava.

GLUMES.

Number. 1. 2. None.

Place (in the spike).
*Imbri*cate. Loose. Remote.
*Disti*chous; in two rows.
*Tristi*chous; in three rows.

Form.—Ovate. Lanceolate.
Bifid. Trifid. Entire.
Carinate; boat-shaped.

Size, or **Length.**
Relative to each other, and
Relative to the pales, and perigynium.

Qualities. (§ 1.)
*Herba*ceous. *Scari*ous. *Brown.* *Varie*gated.

PALES, or PERIANTH.

Kinds.
Setæ; hypogynous bristles, in Sedges.
Petals; in Fuirena only.
Scales, few and minute.
*Perig*ynium; a bottle-shaped sack of 2 united pales enclosing the fruit in Carex. (17.)
Pales; inner bractlets in Grasses.

Number. 1. 2. 3. 6. 0. etc., of pales, petals, setæ, or scales in each flower.

Place.—Erect. Recurved.
Free. Adhering to the rachis.

Form, specially of perigynium.

Size, or **Length,** relatively.

Qualities.
Smooth. Rough. Barbed. Ciliate. Silky.
*Pub*escent. *Green.* *Brown.* Hyaline. Ivory.

AWNS.

Place.
On the lower, or upper, pale or glume.
On the rudiment.
On the back. On the tip.

Form.
*Brist*le-form. *Capill*ary. Bent. *Goss*amer
Twisted. Crinkled.

Size, or **Length.**
Relative to the glume or pale.

Quality.
Smooth. Scabrous. Plumous.

RUDIMENTS (abortive flowers).

Number. 1. 2. or several.

Kind.—*Neut*ral. *Stam*inate.

Form.—A pedicel. A pale.
An awn, as in Setaria.

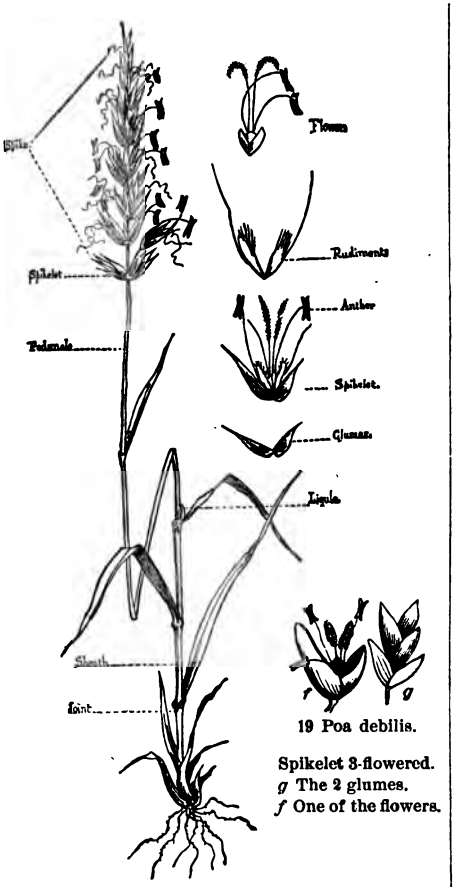
Quality.
Ciliate. Bristly. Hairy. Scabrous. Smooth.

ANTHERS. (§ 11.)—1. 2. 3. 6.
Innate; attached to the filament by its base.
Versatile; fixed by its middle point.

STIGMAS. (§ 11.)—2. 3.
Straight. Curved. Papillous.
Plumous; feather-like.

GRAIN.

Kind.—(See § 12.)
*Ache*nium. *Cari*opsis. *Utri*cle.



19 Poa debilis.

Spikelet 3-flowered.
g The 2 glumes.
f One of the flowers.

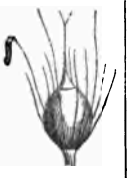
18. Anthoxanthum odoratum.

Form.

Ovoid. Oblong. *Triang*ular. Lens-shaped.

Appendages.

Tuberculate; tipped with a tubercle, as in Rhynchospora, and Eleocharis.



LEAVES. (See § 4.)
Sometimes Terete: Jointed: Jointless.

LIGULES. (§ 6.)—Oblong. Obtuse. Acute. Entire. Bifid. Torn.

§ 10. THE FLOWER.

NUMBER (radical), or Plan.

⁵/ Pentamerous; 5-parted, organs of the flower, 5 in each set.

¹/ One-parted; organs of the flower, 1 in each set. Hippuris.

²/ Two-parted; 2 organs in each set. Circæa.

³/ Three-parted, or Trimerous; 3 organs in each set. Xyris.

⁴/ Four-parted; 4 organs in a set.

⁶/ Six-parted. ⁷/ Seven-parted, etc.

KIND.

☿ Perfect; with both stamens and pistils.
♂ Staminate; having stamens only.
♀ Pistillate; having pistils only.
Imperfect; either stamens or pistils wanting.
*Fer*tile; maturing seeds with or without stamens.
*Ster*ile; not maturing seeds.
*Neut*ral; no stamens nor pistils.
♂ Monœcious; staminate and pistillate flowers together on the same plant. Begonia.
♂ ♀ Dicœcious; staminate and pistillate flowers borne separately on different individuals of the same species. Willow.
♂ ☿ ♀ Polygamous; like dicœcious, but some of the flowers ☿ perfect.

CONSTRUCTION.

Complete; having the four kinds of floral organs.
Incomplete; destitute of some one or more kinds of organs.
*Apet*alous; having but one set of floral envelopes (= calyx).
*Achl*amydeous; cloakless, naked, no corolla nor calyx.
*Reg*ular; the like organs all similar in form, size, and position.

*Irreg*ular; like organs not all similar; Ex. Violet.

*Unsym*metrical; some of the sets discordant in number.
*Sym*metrical; each set of organs being of the radical number or a multiple of that number.

Polypetalous; the petals distinct. [or less.
Gamopetalous; having the petals united more

SIZE.

Diameter, etc., in inches (′) and lines (″).

TORUS (place where the organs stand).

Plane. Convex. Conical. Ovate.
Concave; as in Alchemilla or Rose.
Stiped; produced into a stalk elevating the ovary.
Carpophore; produced into a beak on which the carpels hang.
Carpophore entire, in Geranium.*
——— forked, in Caraway.

DISK; an appendage within the calyx developed on the torus (*a*).
—— *hypogynous*; free from the calyx and ovary. Pæony.
—— *perigynous*; adhering to the base of the calyx. Buckthorn.
—— *epigynous*; developed on the top of the ovary. Caraway.

ENVELOPES = CALYX, COROLLA.

Forms polyphyllous.

Cruciform; flowers with 4 petals spreading in the form of a cross. Mustard.
Rosaceous; rose-like, with 5 spreading clawless petals.
Caryophyllaceous; pink-like, 5 petals, with long claws immersed in a tubular calyx.
Liliaceous; lily-like, a 6-leaved perianth, funnel or bell-shaped.
Papilionaceous; butterfly-shaped, like sweet Pea.
Orchidaceous; 6-leaved, irregular, the lower lip-shaped.

Forms gamophyllous.

Rotate; wheel-shaped, the tube very short.
Saucer-shaped; border concave, as in Kalmia.
Campanulate; bell-shaped, like the Hare-bell (2).
Urceolate; oblong or globular with a contracted mouth.

Funnel-form; tube gradually enlarged to the border.
Salver-form; tube slender, suddenly expanding into a plane border.
Ligulate; strap-shaped, like the ray-florets of Aster.
Tubular; tube-form, enlarged more or less upward.
Labiate; lip-shaped.
Bilabiate; 2-lipped, like Sage.
Galeate; upper lip arched.
Ringent; open as if gaping.
Personate; masked, with the throat closed. Snapdragon.
Spurred; produced backward into a hollow spur. Columbine.
Saccate; the spur very blunt, or sack-like, as in Violet.
Inflated; bladder-like, as if inclosing air.

Forms of margin.

Entire; border not broken or cut into lobes or teeth.
Truncate; as if cut square off.
Toothed; 3-toothed. 5-toothed, etc.
Lobed; cut down nearly halfway. 3-lobed. 5-lobed, etc.
Cleft; cut deeper, more than halfway. 3-cleft, 5-cleft, etc.
Parted; when cut near to base.
Unequally toothed, cleft, parted, or lobed.

Qualities of Color, Surface, Texture (§ 1).

PAPPUS, Setæ. (Reduced forms of Calyx. See §§ 8 and 9.)

SEPALS. PETALS.

Life.

Persistent—with the fruit.
Deciduous—with the flowers.
Withering—on the fruit.
Caducous—before the flowers.

Number.—1. 2. 3. 4. 5.—∞. etc.
Definite. Indefinite.

Place, etc.

Æstivation (place in bud).
Valvate; the parts (sepals, petals, or valves) meeting edge to edge.

*Indup*licate; valvate with the edges turned inward.

Reduplicate; valvate with the edges turned outward.

*Cont*orted; each piece overlapping its neighbor by one edge, all in the same direction.

*Conv*olute; each piece involving all within it.

*Imbr*icate; overlapping by both edges. Lily.

*Quinc*uncial; two pieces wholly outside, two wholly inside, one partly both. Rose.

*Vex*illary; one large piece folded over all the rest. Pea.

*Plic*ate; a gamopetalous corolla plaited at the margins.

Supervolute; when the plaits all turn in the same direction.

Crumpled; as in Poppy.

Attitude (place in the flower).

Erect. Spreading. Reflexed.

*Sess*ile; claw short or none.

Unguiculate; elevated on a conspicuous claw (stalk).

Coherent; united more or less from base upward.

Inflected at the point, as in the Umbelliferæ.

Form of Blade. (§ 4.)

NECTARY, LIP, CORONA.

Honey-spot; at base of petals, naked.

Honey-pore; at base of petal and covered with a scale. Buttercup.

Glands; in the midst of the petal, often bearded, as in Frasera.

Callosities, on the border of the petals.

Horned; produced at the back into a tubular nectary. Halenia.

Spurred; produced from the base behind into a tubular nectary.

Distorted; shapes indefinable, as the petals in Monks-hood.

Lip saccate—Slipper-shaped—Inflated—Spatulate—Toothed—Fringed—3-parted—Spurred—Bearded—Spotted—Upper side of the flower—Lower side of the flower.

Corona on the petals—on the ovary—cup-form—funnel-form—bell-form—5-parted—hood-form, etc.

§ 11. THE FLOWER, CONTINUED.

STAMENS.

Number.—Definite, Indefinite.

Expressed by numerals. 1. 2.—∞.

Place, etc.

*Alt*ernating; in respect to the organs next adjacent.

*Opp*osing; opposite to the nearest organs, as in Spring Beauty.

*Ex*serted; protruding out of the corolla.

*Incl*uded; not protruding beyond the corolla.

Connivent; converging toward each other.

Ascending; toward the upper side of the corolla.

Declining; toward the lower side of the corolla.

*Hypog*ynous; borne on the torus under the ovary.

*Perig*ynous; borne on the calyx or edge of the disk.

*Epig*ynous; borne apparently on the ovary.

*Epi*petalous; borne on the petals or corolla.

*Gyn*androus; borne on or consolidated with the style or stigma.

*Monad*elphous; united by the filaments into one set.

*Diad*elphous; into two sets.

*Polyad*elphous; in several sets.

*Syng*enesious; united by their anthers.

Construction.

*Sess*ile; anther without a filament.

*Ster*ile; filament without an anther.

*Didyn*amous; 2 stamens longer than the other 2.

*Tetr*adynamous; 4 stamens longer than the other 2.

Irritable, or Elastic; springing when touched.

FILAMENT.

Form.

*Capill*ary; hair-like.

*Fili*form; thread-like.

*Flat*tened ; petal-like.
Toothed ; with 1 or 2 processes. [Violets.
Spurred ; with a process at base, as in the

Quality. (§ 1.)

ANTHER.

Place (on the filament).

*Inn*ate ; attached by its base to the apex of filament.
*Adn*ate ; attached to the filament laterally.

*Vers*atile ; fixed by its middle to the apex of the filament.
*Intr*orse ; facing the pistil.
*Extr*orse ; facing outward.
*Pend*ulous ; fixed by its apex and hanging. Pyrola.

Dehiscence (opening).

*Longit*udinal ; lengthwise.
Transverse ; crosswise.
By pores. By valves.

Construction.

One-celled, in Mallows.
Two-celled. 4-celled.
*Dimid*iate ; halved, its lobes separated.
Awned, or Beaked, in various ways.

Form. (§ 4.)
Linear. Oblong. Sagittate. Ovate. Cordate. Reniform.

POLLEN.

Form.—Spheroidal. Oval. Angular. Polyhedral, etc.

Quality.—Smooth. Muricate. Dotted. Banded. Chequered, etc. Yellow. Orange. Red. White, etc.

POLLINIA.

Number.—Singly. By pairs.
Place.—Vertical. Pendulous. Diverging. Horizontal, etc.
Construction.—Sessile. Stalked.
Form.—Clavate. Globous, etc.
Quality.—Waxy. Mealy, etc.

PISTIL.

Number.

*Monogyn*ous ; flower with one pistil, style, or carpel, as in Pea.
*Digyn*ous ; with 2 pistils.
*Trigyn*ous ; with 3 pistils, etc.
*Polygyn*ous ; with many (∞) pistils.
Simple ; consisting of but 1 carpel, 1 style, 1 stigma, 1 cell, 1 placenta.

*Comp*ound ; composed of 2 or more carpels united.

Construction.

Open ; not inclosing the ovules ; as the scales of Pine, Cedar.
Closed ; inclosing the ovules and seeds, as ordinarily.

STYLE.

Life.—*Decid*uous. Persistent on the fruit.
Caudate ; fruit *tailed* with the style.
Tail feathery. Tail pubescent, etc.

Place.—Declinate. Erect.

*Term*inal, on the apex of ovary.
*Lat*eral ; arising from the side.
*Bas*ilar ; arising from the base.

Form.—Clavate ; club-shaped.

*Fil*iform. Subulate ; awl-shaped.

STIGMA.

Place.—*Term*inal ; on the top of the style.
*Lat*eral ; on the side of the style.
*Sess*ile ; on the ovary—no style.

Form.

*Disc*oid ; disk-like, as in Poppy.
*Hemisph*erical. Globular.
*Fil*iform. *Lin*ear. Peltate.
Petaloid ; petal-like, as in Iris.

*Plum*ous ; feathery or fringed, as in the Grasses.

*Stell*ate ; as in Œnothera.
*Rad*iate ; as in Poppy.
*Rostr*ate ; beaked.
*Cucull*ate ; hooded, as in Violet.
Flabellate ; fan-shaped.
Geniculate ; abruptly bent.

OVARY. Construction.

Simple. Compound. (See Pistil.)
One-celled. 2-celled. 3-celled, etc.
Stipitate ; raised on a stipe.
*Sup*erior ; free from the calyx.

*Inf*erior ; adherent to the calyx, as in Currant. [the calyx.
*Half-sup*erior ; lower half adherent to

Form.—Ovoid. Obovoid. Oblong.
*Obl*ique. Globular. Conical. Terete. Lobed. Furrowed. Twisted.
*Depr*essed ; flattened from above.
*Compr*essed ; flattened laterally.
*Obcompr*essed ; flattened back and front.
*Triq*uitrous ; 3-sided.
*Lent*icular ; lens-shaped. Pepper-grass.
Margined ; having a membraneous border.
Fusiform ; spindle-shaped.

Placentation.

*Pariet*al ; seeds attached to the walls of a compound ovary.

*Ax*illary ; seeds attached to the inner angle of each cell.

Free-central ; seeds borne on a column in the center of a one-celled compound ovary.

OVULES. Place in the ovary.

Erect (from the base).
Ascending (obliquely).
Pendulous (obliquely).
Suspended (directly downward).
Horizontal.

Construction.

*Orthot*ropous ; erect, not bent at all, orifice *f* opposite hilum *c*.

*Anat*ropous ; bent over on its stalk *r* (raphe) bringing the orifice *f* next the hilum (base of stalk) *h*.

*Amph*itropous ; bent halfway over on its stalk. Mallow.

*Campyl*otropous ; ovule bent or curved on itself more or less.

§ 12. THE FRUIT.

NUMBER.

Carpels simple and distinct, 1, 2, 3, 5, —— ∞.
Carpels in a compound fruit 2, 3, 4, 5, —— ∞.
Cells 1, 2, 3, etc., express thus—3–1 (3 carpels 1 cell), 3–3 (3 carpels 3 cells).

DEHISCENCE.

*Indeh*iscent ; pericarp not opening at all. Ex. Apple.
*Valv*ular ; opening by valves : valves 2, 3, 5, 10, etc., in number.

*Septic*idal ; opening through the partitions. Ex. Althea.
*Septif*ragal ; valves breaking away from the partitions.

*Locul*icidal ; opening directly into the back of the cell.
Porous ; seeds escaping by small chinks or pores. Poppy.

Circumscissile ; opening transversely, as with a lid.

KINDS.

§ Indehiscent Fruits.

* *One-seeded, one-coated.*

*Ach*enium ; coat dry, free from the seed. Buttercup.

*Crem*ocarp ; the double achenium of the Umbelwort.
*Cyp*sela ; the 2-carpelled achenium of the Compositæ.
Strawberry ; a fleshy torus bearing the achenia on its surface.
*Utr*icle ; coat fitting the seed loosely, often splitting. Pigweed.
*Cary*opsis ; coat adhering to the seed, as in Wheat.

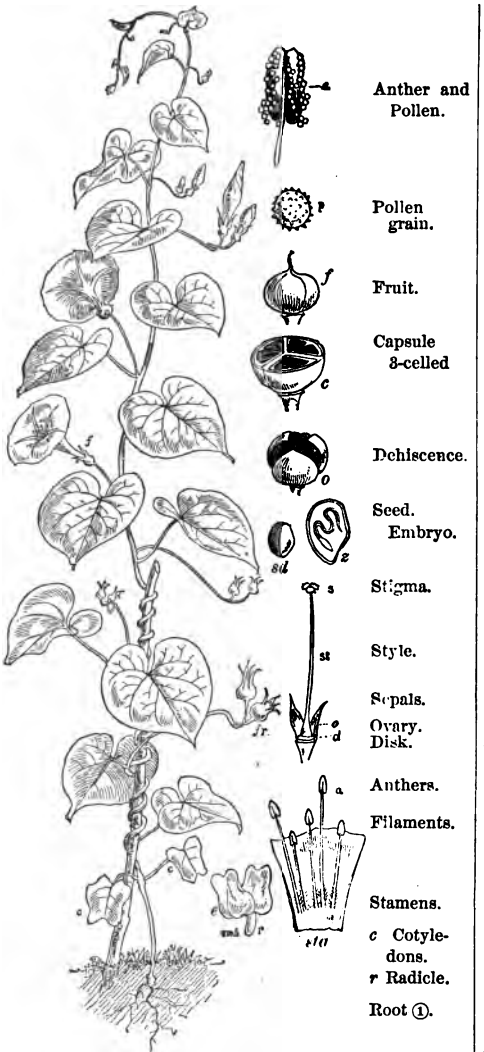
*Sam*ara, single or double, having a membraneous wing.
Glans, or Nut ; coat hard, dry, invested with an involucre.

* *One-seeded, 2 or 3-coated.*

Drupe ; stone-fruit, 3-coated, fleshy or pulpy. Peach.
Etærio ; a cluster of drupes, like the Blackberry.
Tryma ; a dryish drupe, 2-coated, epicarp fibro-fleshy, or woody, nucleus bony, often 2-celled. Ex. Walnut.

* *Two or more-seeded, fleshy or pulpy.*

Berry ; rind membraneous. Grape.
Hesperidium ; rind leathery. Orange.
Pepo ; rind hardened. Gourd.
Pome ; with calyx adherent, fleshy. Apple.
Hip ; fleshy calyx inclosing but free from the bony seeds. Rose.



21 Morning Glory, or Pharbitis purpurea.

§ **Dehiscent Fruits,** mostly dry.

* ***Circumscissile.***

*Pyx*is ; opening by a lid.

* ***Valvular, 1-carpelled.***

*Foll*icle ; opening by the ventral suture. Larkspur. [Bean.

*Leg*ume ; opening by both sutures. Pea,

*Lom*ent ; a jointed legume. Ex. Hedysarum. [cago.

Cochlea ; a coiled legume. Medi-

* ***Valvular, 2-∞-carpelled.***

*Sili*que ; pod linear, 2-celled by a false partition. Mustard.

*Silic*le ; a short silique nearly as broad as long. Shepherd's Purse.

*Caps*ule ; pod dry, opening by valves or pores.

Regma ; carpels separating, and uplifted on their elastic styles still attached to the top of the carpophore. Geranium.

§ **Fruits confluent,** formed of an inflorescence.

Strobile, or Cone ; of many imbricated open carpels. Pine.

Sorosis ; an inflorescence fused and thickened with pulp, as Mulberry, Pine-apple.

FORM. (See § 11. Ovary.)

QUALITIES, of Surface, Texture, and Color (See § 1.)

§ 13. THE SEED.

NUMBER.—Few. Definite. Many.

Or expressed in numerals.

CONSTRUCTION.

*Album*inous ; containing albumen together with the embryo.

*Exalb*uminous ; without albumen.

*Monoc*otyledonous ; embryo with one cotyledon. Wheat. [Bean.

*Dicot*yledonous ; embryo with two cotyledons.

*Orthot*ropous, Anatropous, Amphitropous, Campylotropous. (See § 11. Ovule.)

QUALITIES of Surface, Color. (§ 1.)

APPENDAGES.

Aril ; an extra growth from the funiculus, hilum, or placenta. Its color (see § 1).

Caruncle ; an excrescence at the hilum. Form (§ 4). Ex. Polygala Obj. Less., p. 191.

Cauda ; a membraneous cusp from some angle. Juncus.

Coma; a tuft of hairs, as in Silk-grass, Cotton.
Funiculus; the seed-stalk is sometimes conspicuous.
Strophiole; a cellular growth from the orifice. Spurge.
Wing; a membranous expansion of the outer coat. Elm.

ALBUMEN. Quantity, or

Size (compared with the embryo).

Abundant; or excessive.
Equal, or nearly so. Scanty.
*Exalb*uminous; no albumen.

Quality of Texture.

*Cartil*aginous; texture of gristle.
*Corn*eous; horny.
*Farin*aceous; mealy.
Fleshy. Oily. Mucilaginous.
Ruminated; perforated with holes or channels. Papaw.
Translucent, as in Buttercups.

EMBRYO.

Place (in respect to the albumen, if any).

Axial; lying in the center.
Basilar; at base inside or outside.
Excentric. Lateral.
Peripheric; surrounding the albumen.

Form.—Slender. Flat. Ovate.
*Ov*oid. *Sph*eroid. Straight. Curved.
Bent abruptly. Annular.
Coiled. Convolute, as in Pomegranate.

*Acc*umbent; radicle turned and touching the edges of the cotyledons. Such seeds are flattened. Candytuft.

*Inc*umbent; radicle turned and touching the back of one of the cotyledons: seeds oblong. Capsella.

*Cond*uplicate; like incumbent, but the cotyledons partly infolding the radicle: seeds globular. Mustard.

Size (compared with albumen, if any).
Minute. Large. Half-size, etc.

COTYLEDONS.

Number.—0, as in Dodder.
1, as in Lily. 2, as in Apple.
3 or more, as in Pine.
4, as in Hornwort.

Form.—Thickened or massive.
*Fol*iaceous; leaf-like. Sinuate.
Thin. Linear. Ovate. Lobed.
Plano-convex.

Size (compared with the seed).
Large. Small. Equal.

PLUMULE.

Form.

*Fol*iaceous; leaf-like.
*Gem*mate; bud-like.

Size.
Conspicuous. Inconspicuous.

RADICLE.

Place.
*Sup*erior; directed toward the apex of the fruit. Cornus.
*Inf*erior; directed toward the base of the fruit. Phlox.
Centripetal; pointing inward toward the axis of the fruit. Buckeye.
Centrifugal; pointing outward toward the sides of the fruit. Violet.
Vague; its direction uncertain or not uniform.

Size (length compared with the cotyledons).
Long Short. Equal.

Specimen Page.

CHECK TABLET.

No. 1.

THE PLANT.

Life. § 1.
- annual
- biennial
- X perennial.

Habitat. Page 5.
- X terrestrial
- aquatic
- parasitic
- aerial.

Height, *6′—12′.*

ROOT. § 2.

Kinds. P. 6.
- conical
- fusiform
- nap form
- ramous
- X fibrous
- X fasciculate
- nodulous
- moniliform
- tuberular.

Color. P. 6.
- *White.*

STEM. § 3.

Life P. 7.
- X herbaceous
- fruticous
- suffruticous
- arboreous.

Growth.
- X exogenous
- endogenous.

Direction. P. 7.
- X erect
- X decumbent
- prostrate
- climbing
- twining
- X diffuse.

Branching. P. 7.
- simple
- X furcate
- brachiate
- excurrent
- solvent
- with runners
- stoloniferous.
- *branched.*

Kinds. P. 7.

Leaf-stems.
- culm
- X caulis
- trunk
- vine.

Scale-stems.
- rhizome
- corm
- bulb
- tuber
- creeper.

Forms. P. 7.
- solid
- X tubular
- X terete
- angular
- striate
- grooved
- premorse
- thorns
- tendrils.

Surface. P. 6.
- *a.....b.3....c.....*

Color. P. 6.
- *G*

LEAVES. § 4.

Life. P. 7.
- X persistent
- deciduous
- caducous.

Vernation. P. 7.
- X straight
- reclined
- conduplicate
- plicate
- circinate
- convolute
- revolute
- involute
- equitant
- obvolute
- triquetrous.

Position. P. 8.
- X radical
- X rameal
- X cauline.

Phyllotaxy. P. 8.
- X alternate
- fasciculate
- opposite
- decussate
- verticillate
- *Cherry*-cycle.

Venation. P. 8.

Parallel.
- straight
- curved
- transverse.

Netted.
- X Pinni-veined
- tripli-veined
- Palmi-veined.

Constitution. P. 8
- X sessile
- X petiolate
- stipulate
- X exstipulate
- perfoliate
- cirrhous

Composition. P. 8
- X **Simple.**

Compound.
- ? pinnate
- palmate
- foliate.
- decompound.

Blade. P. 9.

(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. X ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17. .....

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. X cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14. .....

(c) **Apex.** P. 9.
1. acuminate
2. X acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12. .....

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. *bi*-pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24. .....

Size.
- .....

Surface. P. 6.

(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10. .....

(b) **Hairy.**
1. X pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12. .....

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8. .....

Texture. P. 6.
- .....

Color ..... *G*

Petiole. P. 10.

Form.
- terete
- X semiterete
- channeled
- margined
- compressed
- phyllodia
- X clasping
- sheathing
- coiling
- tubular
- split
- striate.

Size.
- ..... *0—3′* .....

Surface.
- *a.....b.3....c.....*

Stipules. § 6.

Life. P. 11.
- persistent
- deciduous
- fugaceous.

Kind.
- ligule
- ochrea
- tendril
- spinous
- foliaceous
- intrafoliac.
- setaceous.

Adhesion
- free
- adnate
- clasping.

Form.
- *a....b....c...d....*

INFLORESCENCE. § 7.

Position. P. 11.
- X terminal
- axillary
- radical
- X erect
- nodding
- pendulous
- secund.
- .....

Kinds. P. 11.

Axillary.
- solitary
- sp ke
- spadix
- catkin
- raceme
- corymb
- panicle
- thyrse
- umbel
- head.

Terminal.
- X solitary
- cyme
- fascicle
- glomerule
- verticilaster.
- .....

Appendages. P. 11

Pedunele.
- *1′—3′. Length.*
- *Surface.*

Pedicel.
- *Length.*
- *b—1... Surface.*

Scape.
- *Height.*
- *Surface.*

Bracts. P. 11.

Form. P. 9. 10.
- *a.7..b.2..c.2..d.2*

Surface. P. 6.
- *a.....b. 1..c.....*

Color.
- .....

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9. .....

Involucre. P. 12.

Form.
- rosaceous
- cup-shaped
- hemispherical
- bell-shaped
- cylindrical
- conical
- ovoid
- turbinate.
- .....

Kind.
- simple
- imbricate
- calyculate.

Scales.
- *No. of rows.*
- *Number.*
- *Place.*
- appressed
- erect
- spreading
- reflexed
- loose.
- .....

Form. P. 9. 10.
- *a....b....c....d...*

Surface.
- *Color.*

Texture. P. 6.

Receptacle. P. 12

Form.
- flat
- convex
- conical
- columnar
- globular.
- .....

Surface.
- naked
- alveolate
- chaffy
- bristly.

FLOWER. § 10.

Plan. P. 15.
- *5*-merous.

Kind. P. 15.
- X perfect
- staminate
- pistillate
- neutral
- monœcious
- dioecious
- polygamous.

Construction.
- X complete
- regular
- symmetrical
- apetalous
- achlamydeous
- X polypetalous
- gamopetalous.

Size.
- *1′ diam.*

Torus. P. 16.
- plane
- X convex
- conical
- ovate
- concave
- corpophore
- entire
- forked.
- .....

Disk. P. 16.
- hypogynous
- perigynous
- epigynous.

Envelopes. P. 16.

Polyphyllous.
- cruciferous
- *co.* rosaceous
- caryophyllac.
- liliaceous
- papilionac.
- orchidaceous.
- .....

Gamophyllous.
- rotate
- saucer-shaped
- campanulate
- urceolate
- funnel-form
- salver-form
- ligulate
- tubular
- labiate
- bilabiate
- galeate
- ringent
- personate
- spurred
- saccate
- inflated.
- .....

Margin.
- entire
- truncate
- toothed
- lobed
- cleft
- parted

Pappus. P. 13.

Construction.
- simple
- double
- stiped.

Form.
- bristly
- awns
- scales
- capillary
- plumose
- barbed.

Color. P. 6.
G.....calyx
V.....corolla.
Golden.....
Texture. P. 6.
S.....calyx
G.....corolla.
Surface. P. 6.
c.....calyx
co.....corola.
a.1 ...b.....c.....

Sepals, Petals.

Life.
.....persistent
X.....deciduous
.....withering
.....caducous.
Number.
5.....sepals
5.....petals.
Estivation.
.....valvate
.....induplicate
.....reduplicate
.....contorted
.....convolute
X.....imbricate
X.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
s.p....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a.7..b....c.2..d.1.
.....
Petals.
a.11.b....c.3.d.2.
.....
Nectary. P. 17.
On petal.....
Corona. P. 17.
.....

Stamens. § 11.

Number ∞.....
Place.
X.....alternating
.....opposing
.....exserted
X.....included
.....connivent
.....ascending
.....declining.
Insertion.
X.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
X.....filiform
.....flattened
.....toothed
.....spurred
.....heavy.
Surface. P. 6.
a 1...b.....c.....
Color.
Y.....
Anther. P. 18.
Place.
X.....innate
.....adnate
.....versatile
X.....introrse
.....extrorse
.....pendulous.
Dehiscence.
X.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
X.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
2.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
Globous.....
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.
Number ∞.....
Construction.
.....open
X.....closed.
Cohesion.
X.....simple
.....compound.
Style. P. 18.
Life.
X.....persistent
.....deciduous
.....caudate.
Place.
X.....terminal
.....basilar
.....lateral.
Attitude.
X.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
X.....subulate.
Very short.....
Surface. P. 6.
a.....b.....c.....
Color. P. 6.
Y..G.....
Stigma. P. 18.
Place.
X.....terminal
X.....lateral
.....sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
X.....linear
.....peltoid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculat
.....
Ovary. P. 18.
1.....No. of Cells
Adhesion.
X.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
X.....oblique
.....globular
.....conical
.....terete
.....linear
.....lobed
.....margined.
Lens-shaped....
Surface. P. 6.
a.....b.....c.....
Placentation.
X.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
X.....ascending
.....pendulous
.....suspended
.....horizontal.
Number....*1*.....
Construction.
.....orthotropous
X....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
1.....celled
1.....carpeled.

Dehiscence. P. 19

X.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscisile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
X.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞ seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
.....legume
.....loment
.....cchilea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
Lenticular.....
Surface. P. 6.
a.4...b.....c.....
Color.
G...Br.....
Texture.
2.....

SEED. § 13.

Number.....
Construction.
X....albuminous
....exalbuminous.
Surface. P. 6.
a.1...b.....c.....
Color. P. 6.
W.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
Much.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
X....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
X.....basilar
.....excentric
.....peripheric.
Form. *Straight.*
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
Minute.....

Cotyledons. P. 21

Number....*2*.....
Form.
X.....thickened
.....foliaceous.
.....
Size.
Minute.....

Plumule. P. 21.

Form.
.....foliaceous
X.....gemmate.
Size.
.....conspicuous
X..inconspicuous.

Radicle. P. 21.

Place.
.....superior
X.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
X.....short.
.....

Locality.—***Rocky woods, and hills, Berlin, Wis.*** (Date) ***May 10, 1876.***

Classification.—***Phenogamia. Polypetalous Exogens.***

Order.—***Ranunculaceae. The Crowfoots.***

Name. { Latin.—***Ranunculus fascicularis.*** / English.—***Early Crowfoot. Buttercups.***

Remarks.—***The earliest Buttercup. Root leaves on long petioles, the lobes stalked.***

A scale covers the nectary on the petal, at base.

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
nap form
ramous
fibrous
fasciculate
nodulous
moniliform
tuberous.

Color. P. 6.

STEM. § 3.

Life P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinnate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....b....c...d....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d...
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....conniveut
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous
FRUIT. § 12.
Number.....
.....celled
.....carpeled.
Dehiscence. P. 19
.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpʼridium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.. ....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tuberular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arborcous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 emarginate
6 bifid
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24
Size.

Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8

Texture. P. 6.

Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface. P. 6.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9. 10.
a....b....c....d...
Surface. P. 6.
a.....b.....c.....
Color.

Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9. 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
succate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable

Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
....flabellate
....geniculate
.....

Ovary. P. 18.
... ...No. of Cells
Dehiscion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*.....*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*....*c*.....

Color. P. 6.

....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate

Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin.....
English.....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a....*b*....*c*....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hast te
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24
Size.
Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8

Texture. P. 6.

Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P 6.
a....*b*....*c*....
Color.

Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
... .calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didy amous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.. ..pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....pe aloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a... *b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....acheenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....capsule chlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* ....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
...conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
....gemmate.
Size.
.....conspicuous
...inconspicuous.

Radicle. P. 21.

Place.
.....superior
.... ..inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a....*b*....*c*....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.

Surface.
a....*b*....*c*....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*....*d*....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P 6.
a....*b*....*c*....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.

Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peraloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
..... conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axiliary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
..... pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous
FRUIT. § 12.
Number.....
.....celled
.....carpeled.
Dehiscence. P. 19
.....indehiscent
. .....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herp ridum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b* .....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.... ..conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
....gemmate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
.... .. inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
nap form
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life P. 7.
herbaceous
fruticous
suffruticous
arborcous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c.....d.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b* ....*c*....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....

Petals.
a....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.

Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a ....*b* .....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpæridium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma.

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.
.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.

Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
....

Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality. ——————————————— (Date) ———————

Classification. ——————————————————————

Order. ——————————————————————————

Name. { Latin. ——————————————————————
English. ——————————————————————

Remarks. ——————————————————————————

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticons
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
retuse
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinuate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.

Size.

Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....b....c...d...
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a .....*b* .....*c*.....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolnte
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c* .....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous
FRUIT. § 12.
Number.....
.....celled
.....carpeled.
Dehiscence. P. 19
.....indehiscent
. .....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b* .....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
... ..conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { **Latin.**.....
English......

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height .....

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
.....

Color. P. 6.
.....

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
.....

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.
.....

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
retuse
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinuate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.
.....

Size.
.....

Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
.....
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
.....
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.
.....

Texture. P. 6.
.....

Color .....

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
.....
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
.....

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.
.....

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*...*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.
.....
Texture. P. 6.
1.....membranous
2.....coriaceous
3.....succulent
4.....scarious
5.....herbaceous
6.....petaloid
7.....rugous
8.....crispate.
9.....

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
.....
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
.....
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
.....
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.
.....

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
.....

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
.....
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
.....
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals
Æstivation.
.....valvate
.....induplicate
.....reduplicate
.....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .fil:form
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltoid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
..... cellel
.....carpeled.

Dehiscence. P. 19

.....indehiscent
. .....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
... ..conduplicate.
Size.
.....

Cotyledons. P.21

Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geminate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
..... superior
.... ..inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____ (Date)_____

Classification._____

Order._____

Name. { Latin._____ English._____

Remarks._____

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.
STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
retuse
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinuate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.
Size.
Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.
Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d....
Surface. P. 6.
a.....b.....c.....
Color.
Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
z....b....c....d....
Surface:
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals:

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Estivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....

Petals.
a....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... decliuin..

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable

Filament. P. 17.
Form.
.....capillary
... ... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a ....*b* .....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Polliria. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
..... caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....pe aloid
.....plumous
..... stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat·.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....acheniun
.....cremocarp
.....cypsela
....utricle
.....caryopsis
.....samara
.....nut.
One seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpetidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular.
1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular,
2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*. ...*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.

Size.
.....

Cotyledons. P. 21

Number.....

Form.
.....thickened
.....foliaceous.
.....

Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geniculate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
retuse
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinuate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.

Size.

Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.. .....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tuberular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinnate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runciuate
20 lobed
21 cleft
22 parted
23 divided.
24

Size.

Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8

Texture. P. 6.

Color.

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
ciasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P 6.
a....*b*....*c*....
Color.

Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagittate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
..... vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
....flabellate
... .geniculate.
.....

Ovary. P. 18.

.... .No. of Cells
Adhesion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
..... .valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.
.....

Plumule. P. 21

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.
STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.
Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d....
Surface. P 6.
a.....b.....c.....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....b....c....d....
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
... .calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b* ....*c*....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....

Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.

Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....

Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number .....

Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....

.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....hesperidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*. ...*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....

Color. P. 6.

....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.

Size.
.....

Cotyledons. P. 21

Number.....

Form.
.....thickened
....foliaceous.
.....

Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color.

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*....*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P. 6.
a....*b*....*c*....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
.....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous.
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
.....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Stylo. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axiliary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
. .....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....hesperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b* ....*c*.....
Color. P. 6.
.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliar.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*...*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9. 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat-
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous
FRUIT. § 12.
Number.....
.....celled
....carpeled.
Dehiscence. P. 19
.....indehiscent
. .....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b* .....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality.....(Date).....

Classification.....

Order.....

Name. {Latin.....
{English.....

Remarks.....

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height .....

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
.....

Color. P. 6.
.....

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
.....

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.
.....

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17. .....

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14. .....

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12. .....

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentato
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24. .....

Size.
.....

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10. .....

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12. .....

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8. .....

Texture. P. 6.
.....

Color .....

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
.....
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....*b*.....*c*.....*d*.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
.....

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.
.....

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9. .....

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
.....
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
.....
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
.....
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.
.....

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
.....

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
.....
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
.....
Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
..... stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscisile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....acheniun
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b* ....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P.21

Number.....
Form.
.....thickened
.....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality. _____ (Date) _____

Classification. _____

Order. _____

Name. { Latin. _____ / English. _____

Remarks. _____

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT, § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.
STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a b c
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) Outline.
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) Base.
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) Apex. P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) Margin. P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.
Surface. P. 6.
(a) Not Hairy.
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) Hairy.
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) Bristly.
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a b c
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a b c d
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.
Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a b c d
Surface. P. 6.
a b c
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a b c d
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Estivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c*....*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gymandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....pe aloid
.....plumous
..... stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat .
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....obl que
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... ortho'ropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....

.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herp ridum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*. ...*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P.21

Number.....
Form.
.....thickened
.....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____(Date)_____

Classification._____

Order._____

Name. { Latin._____ English._____

Remarks._____

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c.....d.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
..... .coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
..... .cell
....carpeled.

Dehiscence. P. 19

.....indehiscent
....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
..... .celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....hesperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
..... superior
.... ..inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24
Size.
Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P. 6.
a....*b*....*c*....
Color.
Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*\....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a ....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
....flabellate
... .geniculate.
.....
Ovary. P. 18.
..... .No. of Cells
Adhesion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....paricta1
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P. 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....b.....c.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
.....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....b....c ...d...
Petals.
a....b....c....d...

Nectary. P. 17.

Corona. P. 17.

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....b .....c.....
Color.

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.. ..pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....b.....c.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....b.....c.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....b.....c.....
Color.
.....
Texture.

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....b .....c .....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tuberclular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runciuate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucons
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. pnberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
ciasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....

Stipules. § 6.

Life. P. 11.
persistent
deciduous
fugaceous.

Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.

Adhesion.
free
adnate
clasping.

Form.
a....*b*....*c*....*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.

Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.

Pedicel.
Length.
Surface.

Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....

Surface. P 6.
a....*b*....*c*....

Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.

Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9. 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.

Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.

Construction.
simple
double
stiped.

Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
.....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c* .....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
..... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axiliary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous
FRUIT. § 12.
Number.....
.....celled
.....carpeled.
Dehiscence. P. 19
.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpæridum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
.....geniculate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

.....

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
noduleus
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a...*b*....*c*...*d*...
Surface. P. 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 18.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltoid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumsciesile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....transiucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.

Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*...*d*....
Surface. P. 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
.....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peraloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
..... .valvular
.....septicidal
.....septifragal
.....locilicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpetidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
..... foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c.....d.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* ....*c*....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
.. ..sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
..... terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....

.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.
Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c.....d.....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect

staminate
pistillate
neutral
monœcious
diœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
calyx
corolla.

Texture. P. 6.
calyx
corolla.

Surface. P. 6.
calyx
corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
persistent
deciduous
withering
caducous.

Number.
sepals
petals

Æstivation.
valvate
induplicate
reduplicate
contorted
convolute
imbricate
quincuncial
vexillary
plicate
supervolute
crumpled.

Attitude.
erect
sessile
spreading
reflexed
inflected
unguiculate
coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...

Petals.
a....*b*....*c*....*d*...

Nectary. P. 17.

Corona. P. 17.

Stamens. § 11.

Number
Place.
alternating
opposing
exserted
included
connivent
ascending
declining.

Insertion.
hypogynous
perigynous
epigynous
epipetalous
gynandrous.

Cohesion.
adelphous
syngenesious.

Construction.
sessile
sterile
didynamous
tetradynamous
irritable.

Filament. P. 17.
Form.
capillary
filiform
flattened
toothed
spurred
heavy.
Surface. P. 6.
a.....*b*.....*c*.....
Color.

Anther. P. 18.
Place.
innate
adnate
versatile
introrse
extrorse
pendulous.
Dehiscence.
longitudinal
transverse
porous
valvular.
Form.
linear
oblong
sagitate
ovate
cordate
reniform.
Construction.
No. of cells
dimidiate
awned
beaked.

Pollen. P. 18.
Form.
Quality.

Pollinia. P. 18.
Number.
singly
pairs.
Construction.
sessile
stalked.
Place.
vertical
pendulous
diverging
horizontal.
Form.
Quality.

Pistil. P. 18.

Number.
Construction.
open
closed.

Cohesion.
simple
compound.

Style. P. 18.
Life.
persistent
deciduous
caudate.
Place.
terminal
basilar
lateral.
Attitude.
erect
declinate.
Form.
slender
heavy
filiform
clavate
subulate.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.

Stigma. P. 18.
Place.
terminal
lateral
sessile.
Form.
globular
discoid
hemispherical
lobed
filiform
linear
petaloid
plumous
stellate
radiate
rostrate
cuculiate
flabellate
geniculate.

Ovary. P. 18.
No. of Cells
Adhesion.
superior
half-superior
inferior.
Form. P. 19.
ovoid
oblong
oblique
globular
conical
terete
linear
lobed
margined.
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
parietal
axillary
free-central.

Ovules. P. 19.

Place.
erect
ascending
pendulous
suspended
horizontal.

Number

Construction.
orthotropous
anatropous
amphitropous
campylotropous

FRUIT. § 12.

Number
cells
carpeled.

Dehiscence. P. 19

indehiscent
valvular
septicidal
septifragal
loculicidal
porous
circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
achenium
cremocarp
cypsela
utricle
caryopsis
samara
nut.
One-seeded, 2 or 3-coated.
drupe
etærio
tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
berry
herperidium
pepo
hip.

Dehiscent. P. 20.
Circumscissile.
pyxis.
Valvular, 1-carpeled.
follicle
legume
loment
cochlea.
Valvular, 2 to ∞-carpeled.
silique
silicle
capsule
regma.

Confluent. P. 20.
strobile
sorosis.

Form.

Surface. P. 6.
a.....*b*.....*c*.....

Color.

Texture.

SEED. § 13.

Number

Construction.
albuminous
exalbuminous.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

Appendages.

aril
caruncle
cauda
coma
funiculus
strophiole
wing.

Albumen. P. 21.

Quantity.

Quality.
cartilaginous
corneous
farinaceous
fleshy
oily
mucilaginous
ruminated
translucent.

Embryo. P. 21.

Place.
axial
basilar
excentric
peripheric.

Form.
slender
coiled
accumbent
incumbent
conduplicate.

Size.

Cotyledons. P. 21

Number.

Form.
thickened
foliaceous.

Size.

Plumule. P. 21.

Form.
foliaceous
gemmate.

Size.
conspicuous
inconspicuous.

Radicle. P. 21.

Place.
superior
inferior
centripetal
centrifugal
vague.

Size.
long
short.

Locality._____(Date)_____

Classification._____

Order._____

Name. { Latin._____ English._____

Remarks._____

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
- annual
- biennial
- perennial.

Habitat. Page 5.
- terrestrial
- aquatic
- parasitic
- aerial.

Height

ROOT. § 2.

Kinds. P. 6.
- conical
- fusiform
- napiform
- ramous
- fibrous
- fasciculate
- nodulous
- moniliform
- tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
- herbaceous
- fruticous
- suffruticous
- arboreous.

Growth.
- exogenous
- endogenous.

Direction. P. 7.
- erect
- decumbent
- prostrate
- climbing
- twining
- diffuse.

Branching. P. 7.
- simple
- furcate
- brachiate
- excurrent
- solvent
- with runners
- stoloniferous.

Kinds. P. 7.

Leaf-stems.
- culm
- caulis
- trunk
- vine.

Scale-stems.
- rhizome
- corm
- bulb
- tuber
- creeper.

Forms. P. 7.
- solid
- tubular
- terete
- angular
- striate
- grooved
- premorse
- thorns
- tendrils.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
- persistent
- deciduous
- caducous.

Vernation. P. 7.
- straight
- reclined
- conduplicate
- plicate
- circinate
- convolute
- revolute
- involute
- equitant
- obvolute
- triquetrous.

Position. P. 8.
- radical
- rameal
- cauline.

Phyllotaxy. P. 8.
- alternate
- fasciculate
- opposite
- decussate
- verticillate
- cycle.

Venation. P. 8.

Parallel.
- straight
- curved
- transverse.

Netted.
- Pinni-veined
- tripli-veined
- Palmi-veined.

Constitution. P. 8
- sessile
- petiolate
- stipulate
- exstipulate
- perfoliate
- cirrhous.

Composition. P. 8

Simple.

Compound.
- pinnate
- palmate
- foliate.
- decompound.

Blade. P. 9.

(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.

(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.

Form.
- terete
- semiterete
- channeled
- margined
- compressed
- phyllodia
- clasping
- sheathing
- coiling
- tubular
- split
- striate.

Size.

Surface.

a.....*b*.....*c*.....

Stipules. § 6.

Life. P. 11.
- persistent
- deciduous
- fugaceous.

Kind.
- ligule
- ochrea
- tendril
- spinous
- foliaceous
- intrafoliac.
- setaceous.

Adhesion.
- free
- adnate
- clasping.

Form.

a....*b*....*c*....*d*....

INFLORESCENCE. § 7.

Position. P. 11.
- terminal
- axillary
- radical
- erect
- nodding
- pendulous
- secund.

Kinds. P. 11.

Axillary.
- solitary
- spike
- spadix
- catkin
- raceme
- corymb
- panicle
- thyrse
- umbel
- head.

Terminal.
- solitary
- cyme
- fascicle
- glomerule
- verticilaster.

Appendages. P. 11

Peduncle.
- *Length.*
- *Surface.*

Pedicel.
- *Length.*
- *Surface.*

Scape.
- *Height.*
- *Surface.*

Bracts. P. 11.

Form. P. 9, 10.

a....*b*....*c*....*d*...

Surface. P. 6.

a.....*b*.....*c*.....

Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.

Form.
- rosaceous
- cup-shaped
- hemispherical
- bell-shaped
- cylindrical
- conical
- ovoid
- turbinate.

Kind.
- simple
- imbricate
- calyculate.

Scales.
- *No. of rows.*
- *Number.*
- *Place.*
- appressed
- erect
- spreading
- reflexed
- loose.

Form. P. 9, 10.

a....*b*....*c*....*d*...

- *Surface.*
- *Color.*
- *Texture.* P. 6.

Receptacle. P. 12

Form.
- flat
- convex
- conical
- columnar
- globular.

Surface.
- naked
- alveolate
- chaffy
- bristly.

FLOWER. § 10.

Plan. P. 15.
- merous.

Kind. P. 15.
- perfect
- staminate
- pistillate
- neutral
- monœcious
- dioœcious
- polygamous.

Construction.
- complete
- regular
- symmetrical
- apetalous
- achlamydeous
- polypetalous
- gamopetalous.

Size.

Torus. P. 16.
- plane
- convex
- conical
- ovate
- concave
- corpophore
- entire
- forked.

Disk. P. 16.
- hypogynous
- perigynous
- epigynous.

Envelopes. P. 16.

Polyphyllous.
- cruciferous
- rosaceous
- caryophyllac.
- liliaceous
- papilionac.
- orchidaceous.

Gamophyllous.
- rotate
- saucer-shaped
- campanulate
- urceolate
- funnel-form
- salver-form
- ligulate
- tubular
- labiate
- bilabiate
- galeate
- ringent
- personate
- spurred
- saccate
- inflated.

Margin.
- entire
- truncate
- toothed
- lobed
- cleft
- parted

Pappus. P. 13.

Construction.
- simple
- double
- stiped.

Form.
- bristly
- awns
- scales
- capillary
- plumose
- barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c*....*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable

Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
.....
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
..... stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat·.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*. ...*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.
.....albuminous
....exalbuminous.

Surface. P. 6.
a.....*b* ....*c*.....

Color. P. 6.
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.

Size.

Cotyledons. P.21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geniculate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.
STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinnate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.
Size.
Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d....
Surface. P. 6.
a.....b.....c.....
Color.
Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....b....c....d....
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....ex-erted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
.....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
.....
Size.

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET.

No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
ciasping
sheathing
coiling
tubular
split
striate.
Size.

Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c....d....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d...
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c* .....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peraloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
....flabellate
... ...geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
...exalbuminous.

Surface. P. 6.

a.....*b* ....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24

Size.

Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*....*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P. 6.
a....*b*....*c*....
Color.
Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
lilliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
calyx
corolla.

Texture. P. 6.
calyx
corolla.

Surface. P. 6.
calyx
corola.
a ....*b* ....*c*....

Sepals, Petals.

Life.
persistent
deciduous
withering
caducous.

Number.
sepals
petals.

Æstivation.
valvate
induplicate
reduplicate
contorted
convolute
imbricate
quincuncial
vexillary
plicate
supervolute
crumpled.

Attitude.
erect
sessile
spreading
reflexed
inflected
unguiculate
coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...

Petals.
a ...*b*....*c*....*d*...

Nectary. P. 17.

Corona. P. 17.

Stamens. § 11.

Number

Place.
alternating
opposing
exserted
included
connivent
ascending
declining.

Insertion.
hypogynous
perigynous
epigynous
epipetalous
gynandrous.

Cohesion.
adelphous
syngenesious.

Construction.
sessile
sterile
didynamous
tetradynamous
irritable.

Filament. P. 17.
Form.
capillary
filiform
flattened
toothed
spurred
heavy.
Surface. P. 6.
a ....*b*....*c*....
Color.

Anther. P. 18.
Place.
innate
adnate
versatile
introrse
extrorse
pendulous.
Dehiscence.
longitudinal
transverse
porous
valvular.
Form.
linear
oblong
sagitate
ovate
cordate
reniform.
Construction.
No. of cells
dimidiate
awned
beaked.

Pollen. P. 18.
Form.

Quality.

Pollinia. P. 18.
Number.
singly
pairs.
Construction.
sessile
stalked.
Place.
vertical
pendulous
diverging
horizontal.
Form.

Quality.

Pistil. P. 18.

Number

Construction.
open
closed.

Cohesion.
simple
compound.

Style. P. 18.
Life.
persistent
deciduous
caudate.
Place.
terminal
basilar
lateral.
Attitude.
erect
declinate.
Form.
slender
heavy
filiform
clavate
subulate.
Surface. P. 6.
a....*b*....*c*....
Color. P. 6.

Stigma. P. 18.
Place.
terminal
lateral
sessile.
Form.
globular
discoid
hemispherical
lobed
filiform
linear
peraloid
plumous
stellate
radiate
rostrate
cucullate
flabellate
geniculate.

Ovary. P. 18.
No. of Cells
Adhesion.
superior
half-superior
inferior.
Form. P. 19.
ovoid
oblong
oblique
globular
conical
terete
linear
lobed
margined.
Surface. P. 6.
a....*b*....*c*....
Placentation.
parietal
axillary
free-central.

Ovules. P. 19.

Place.
erect
ascending
pendulous
suspended
horizontal.

Number

Construction.
orthotropous
anatropous
amphitropous
campylotropous

FRUIT. § 12.

Number
celled
carpeled.

Dehiscence. P. 19

indehiscent
valvular
septicidal
septifragal
loculicidal
porous
circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
achenium
cremocarp
cypsela
utricle
caryopsis
samara
nut.
One-seeded, 2 or 3-coated.
drupe
etærio
tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
berry
herperidium
pepo
hip.

Dehiscent. P. 20.
Circumscissile.
pyxis.
Valvular, 1-carpeled.
follicle
legume
loment
cochlea.
Valvular, 2 to ∞-carpeled.
silique
silicle
capsule
regma

Confluent. P. 20.
strobile
sorosis.

Form.

Surface. P. 6.
a....*b*. ...*c*....

Color.

Texture.

SEED. § 13.

Number

Construction.

albuminous
exalbuminous.

Surface. P. 6.

a....*b*....*c*....

Color. P. 6.

Appendages.

aril
caruncle
cauda
coma
funiculus
strophiole
wing.

Albumen. P. 21.

Quantity.

Quality.
cartilaginous
corneous
farinaceous
fleshy
oily
mucilaginous
ruminated
translucent.

Embryo. P. 21.

Place.
axial
basilar
excentric
peripheric.

Form.
slender
coiled
accumbent
incumbent
conduplicate.

Size.

Cotyledons. P. 21

Number

Form.
thickened
foliaceous.

Size.

Plumule. P. 21.

Form.
foliaceous
gemmate.

Size.
conspicuous
inconspicuous.

Radicle. P. 21.

Place.
superior
inferior
centripetal
centrifugal
vague.

Size.
long
short.

Locality._____(Date)_____

Classification._____

Order._____

Name. { Latin._____
English._____

Remarks._____

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
filiform
acicular
subulate
ensiform
linear
ovate
lanceolate
deltoid
orbicular
elliptical
oval
oblong
obovate
oblanceolate
spatulate
cuneate.
(b) **Base.**
acuminate
acute
obtuse
truncate
cordate
auriculate
sagittate
hastate
peltate
reniform
clasping
connate
decurrent.
(c) **Apex.** P. 9.
acuminate
acute
obtuse
truncate
retuse
emarginate
bifid
obcordate
cuspidate
mucronate
aristate.
(d) **Margin.** P. 10.
revolute
entire
serrate
dentate
serrulate
denticulate
crenate
crenulate
repand
undulate
sinuate
ciliate
fimbriate
incised
pinnatifid
pectinate
pinnatisect
lyrate
runcinate
lobed
cleft
parted
divided.

Size.

Surface. P. 6.
(a) **Not Hairy.**
glabrous
pruinous
pulverulent
dotted
punctate
maculate
verrucous
glandular
scabrous.
(b) **Hairy.**
pubescent
puberulent
pilous
villous
lanuginous
tomentous
sericeous
cobwebby
velvety
floccous
hoary.
(c) **Bristly.**
aculeate
echinate
hispid
muricate
spinous
stinging
strigous.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface. P. 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Altitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
..... conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axiliary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumcisile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....
....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
... ..conduplicate.
Size.
.....

Cctyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geminate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { **Latin.**.....
English......

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....b....c...d....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d...
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a .....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals.

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number
.....

Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.

Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
... .spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagittate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....

Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
..... conical
..... .terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number .....

Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
...carpeled.

Dehiscence. P. 19
.....indehiscent
..... valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Vulvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*.....*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.
.....albuminous
....exalbuminous.

Surface. P. 6.
a.....*b* .....*c*.....

Color. P. 6.
.....

Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.

Size.
.....

Cotyledons. P.21

Number.....

Form.
.....thickened
.....foliaceous.
.....

Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality.....(Date).....

Classification.....

Order.....

Name. { **Latin.**.....
English......

Remarks.....

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. pubernlent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....*b*.....*c*.....*d*.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
crect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Pedunele.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* ....*c*.....
Sepals, Petals.
Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....
Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....
Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.
Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous
FRUIT. § 12.
Number.....
.....celled
.....carpeled.
Dehiscence. P. 19
.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.
Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpetidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....
SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.
Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.
Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.
Size.
.....
Cotyledons. P. 21
Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....
Plumule. P. 21.
Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.
Radicle. P. 21.
Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality. _____ (Date) _____

Classification. _____

Order. _____

Name. { Latin. _____ / English. _____

Remarks. _____

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height .....

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
.....
Color. P. 6.
.....

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
.....

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.
.....

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17. .....

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14. .....

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12. .....

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24. .....

Size.
.....

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10. .....

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12. .....

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8. .....

Texture. P. 6.
.....

Color .....

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
.....
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
.....

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.
.....

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9. .....

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
.....
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
.....
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
.....
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.
.....

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
.....

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
.....
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
.....
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Estivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c*....*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
... .transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....pe aloid
.....plumous
..... stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculat·.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....ferete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
....orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....

.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.. ....septifragal
.....loculicidal
.....porous
....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpetidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*. ....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geniculate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____(Date)_____

Classification._____

Order._____

Name. { Latin. _____
English._____

Remarks._____

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c.....d.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticillaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
..... filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a ....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peraloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.

..... No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....

..... celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....hesperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
..... superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____(Date)_____

Classification._____

Order._____

Name. { **Latin.**_____
English._____

Remarks._____

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....*b*.....*c*.....*d*.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Pedunele.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
diœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corola.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
....flabellate
... ...geniculate.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
..... .margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....

.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____(Date)_____

Classification._____

Order._____

Name. { Latin._____ English._____

Remarks._____

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....b.....c.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c...d.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.

Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
calyx
corolla.

Texture. P. 6.
calyx
corolla.

Surface. P. 6.
calyx
corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
persistent
deciduous
withering
caducous.

Number.
sepals
petals.

Æstivation.
valvate
induplicate
reduplicate
contorted
convolute
imbricate
quincuncial
vexillary
plicate
supervolute
crumpled.

Attitude.
erect
sessile
spreading
reflexed
inflected
unguiculate
coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...

Petals.
a....*b*....*c*....*d*...

Nectary. P. 17.

Corona. P. 17.

Stamens. § 11.

Number.

Place.
alternating
opposing
exserted
included
connivent
ascending
declining.

Insertion.
hypogynous
perigynous
epigynous
epipetalous
gynandrous.

Cohesion.
adelphous
syngenesious.

Construction.
sessile
sterile
didynamous
tetradynamous
irritable.

Filament. P. 17.
Form.
capillary
filiform
flattened
toothed
spurred
heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.

Anther. P. 18.
Place.
innate
adnate
versatile
introrse
extrorse
pendulous.
Dehiscence.
longitudinal
transverse
porous
valvular.
Form.
linear
oblong
sagitate
ovate
cordate
reniform.
Construction.
No. of cells
dimidiate
awned
beaked.

Pollen. P. 18.
Form.
Quality.

Pollinia. P. 18.
Number.
singly
pairs.
Construction.
sessile
stalked.
Place.
vertical
pendulous
diverging
horizontal.
Form.
Quality.

Pistil. P. 18.

Number.

Construction.
open
closed.

Cohesion.
simple
compound.

Style. P. 18.
Life.
persistent
deciduous
caudate.
Place.
terminal
basilar
lateral.
Attitude.
erect
declinate.
Form.
slender
heavy
filiform
clavate
subulate.
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.

Stigma. P. 18.
Place.
terminal
lateral
sessile.
Form.
globular
discoid
hemispherical
lobed
filiform
linear
peltaloid
plumous
stellate
radiate
rostrate
cuculiate
flabellate
geniculate.

Ovary. P. 18.
No. of Cells
Adhesion.
superior
half-superior
inferior.
Form. P. 19.
ovoid
oblong
oblique
globular
conical
terete
linear
lobed
margined.
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
parietal
axillary
free-central.

Ovules. P. 19.

Place.
erect
ascending
pendulous
suspended
horizontal.

Number

Construction.
orthotropous
anatropous
amphitropous
campylotropous

FRUIT. § 12.

Number.

celled
carpeled.

Dehiscence. P. 19

indehiscent
valvular
septicidal
septifragal
locullicidal
porous
circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
achenium
cremocarp
cypsela
utricle
caryopsis
samara
nut.
One-seeded, 2 or 3-coated.
drupe
etærio
tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
berry
herperidum
pepo
hip.

Dehiscent. P. 20.
Circumscissile.
pyxis.
Valvular, 1-carpeled.
follicle
legume
loment
cochlea.
Valvular, 2 to ∞-carpeled.
silique
silicle
capsule
regma.

Confluent. P. 20.
strobile
sorosis.

Form.

Surface. P. 6.
a.....*b*.....*c*.....

Color.

Texture.

SEED. § 13.

Number.

Construction.

albuminous
exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

Appendages.

aril
caruncle
cauda
coma
funiculus
strophiole
wing.

Albumen. P. 21.

Quantity.

Quality.
cartilaginous
corneous
farinaceous
fleshy
oily
mucilaginous
ruminated
translucent.

Embryo. P. 21.

Place.
axial
basilar
excentric
peripheric.

Form.
slender
coiled
accumbent
incumbent
conduplicate.

Size.

Cotyledons. P. 21

Number.

Form.
thickened
foliaceous.

Size.

Plumule. P. 21.

Form.
foliaceous
geniculate.

Size.
conspicuous
inconspicuous.

Radicle. P. 21.

Place.
superior
inferior
centripetal
centrifugal
vague.

Size.
long
short.

Locality. (Date)

Classification.

Order.

Name. { Latin. English.

Remarks.

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) Outline.
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) Base.
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) Apex. P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) Margin. P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.

Surface. P. 6.
(a) Not Hairy.
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) Hairy.
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. volvety
10. floccous
11. hoary.
12.
(c) Bristly.
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b*.....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
.....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
.....sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
..... .terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumcisile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumcisile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....

Color. P. 6.

.....
.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.
Size.
.....

Cctyledons. P.21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality._____(Date)_____

Classification._____

Order._____

Name. {**Latin.**_____
{**English.**_____

Remarks._____

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion
free
adnate
clasping.
Form.
a....b....c...d....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....b....c...d...
Surface. P. 6.
a.....b.....c.....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....b....c....d...
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect

staminate
pistillate
neutral
monœcious
dioecious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*....

Sepals, Petals. Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.
Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a ....*b* .....*c*....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.
Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
..... conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.
Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.
Number.....
.....celled
....carpeled.

Dehiscence. P. 19
.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.
Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.
Number.....
Construction.
.....albuminous
....exalbuminous.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.
Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.
Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P. 21
Number.....
Form.
.....thickened
....foliaceous.
....
Size.
.....

Plumule. P. 21.
Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.
Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Pedunels.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*...*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* ....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c*....*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
.....superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
..... .valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent:
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
. ..conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality. ..... (Date) .....

Classification. .....

Order. .....

Name. { Latin. ..... / English. .....

Remarks. .....

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a....*b*....*c*....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a....*b*....*c*....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P 6.
a....*b*....*c*.....
Color.
Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
sancer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a .....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
.....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a....*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
.....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
.....
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Altitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
.....sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....petaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.

.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b* .....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
. ....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
.....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { **Latin.**.....
English......

Remarks......

CHECK TABLET.

No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) Outline.
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) Base.
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) Apex. P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) Margin. P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) Not Hairy.
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) Hairy.
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) Bristly.
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*....*d*....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15.
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....

Texture. P. 6.
.....calyx
.....corolla.

Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.

Number.
.....sepals
.....petals

Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.

Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ....*b*....*c*....*d*...
.....

Nectary. P. 17.
.....

Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.

Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.

Cohesion.
.....adelphous
....syngenesious.

Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.

Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.
.....

Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.

Pollen. P. 18.
Form.
... .
Quality.
.....

Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.

Cohesion.
.....simple
.....compound.

Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....

Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculate.
.....

Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.

Number.....

Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
..... celle l
....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidium
.....pepo
.....hip.

Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.

Confluent. P. 20.
.....strobile
.....sorosis.

Form.
.....

Surface. P. 6.
a.....*b*.....*c*.....

Color.
.....

Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....

Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.

Form.
.....slender
.....coiled
.....accumbent
.....incumbent
....conduplicate.

Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....gemmate.

Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.

Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.

(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.

(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.

(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.

Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.

(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.

(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....b....c...d....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Pedunels.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a....b....c....d....
Surface. P 6.
a.....b.....c.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a....b....c....d....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.

Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
..... declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable
Filament. P. 17.
Form.
.....capillary
... .filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c* .....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
....erect
.....declinate.
.....
Form.
.....slender
.....heavy
..... .filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....pe aloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cucullate
.....flabellate
.....geniculat
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....inferior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number .....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
...campylotropous

FRUIT. § 12.

Number.....
.....celled
....carpeled.

Dehiscence. P. 19

.....indehiscent
..... .valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
.....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....acheuium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herpe ridum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
..... regma
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*. ...*c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....
Appendages.
.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
.....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate.
Size.
.....

Cotyledons. P.21

Numbcr.....
Form.
.....thickened
.....foliaceous.
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geniniate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.

Life. § 1.
annual
biennial
perennial.

Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.

Height

ROOT. § 2.

Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.

Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.

Growth.
exogenous
endogenous.

Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.

Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.

Scale-stems.
rhizome
corm
bulb
tuber
creeper.

Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

LEAVES. § 4.

Life. P. 7.
persistent
deciduous
caducous.

Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.

Position. P. 8.
radical
rameal
cauline.

Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.

Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.

Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.

Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.

Blade. P. 9.
(a) **Outline.**
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17

(b) **Base.**
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14

(c) **Apex.** P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12

(d) **Margin.** P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24

Size.

Surface. P. 6.
(a) **Not Hairy.**
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10

(b) **Hairy.**
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12

(c) **Bristly.**
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8

Texture. P. 6.

Color

Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.

Size.

Surface.
a.....*b*.....*c*.....

Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.

Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.

Adhesion.
free
adnate
clasping.

Form.
a.....*b*.....*c*.....*d*.....

INFLORESCENCE. § 7.

Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.

Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.

Pedicel.
Length.
Surface.

Scape.
Height.
Surface.

Bracts. P. 11.
Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....

Surface. P. 6.
a.....*b*.....*c*.....

Color.

Texture. P. 6.
1 membranous
2 coriaceous
3 succulent
4 scarious
5 herbaceous
6 petaloid
7 rugous
8 crispate.
9

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.

Kind.
simple
imbricate
calyculate.

Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.

Form. P. 9, 10.
a.....*b*.....*c*.....*d*.....
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.

Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.

Plan. P. 15
merous.

Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioecious
polygamous.

Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.

Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.

Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted

Pappus. P. 13.
Construction.
simple
double
stiped.

Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
calyx
corolla.

Texture. P. 6.
calyx
corolla.

Surface. P. 6.
calyx
corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
persistent
deciduous
withering
caducous.

Number.
sepals
petals.

Æstivation.
valvate
induplicate
reduplicate
contorted
convolute
imbricate
quincuncial
vexillary
plicate
supervolute
crumpled.

Attitude.
erect
sessile
spreading
reflexed
inflected
unguiculate
coherent.

Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...

Petals.
a....*b*....*c*....*d*...

Nectary. P. 17.

Corona. P. 17.

Stamens. § 11.

Number.

Place.
alternating
opposing
exserted
included
conniveut
ascending
declining.

Insertion.
hypogynous
perigynous
epigynous
epipetalous
gynandrous.

Cohesion.
adelphous
syngenesious.

Construction.
sessile
sterile
didynamous
tetradynamous
irritable.

Filament. P. 17.
Form.
capillary
filiform
flattened
toothed
spurred
heavy.
Surface. P. 6.
a .....*b*.....*c*.....
Color.

Anther. P. 18.
Place.
innate
adnate
versatile
introrse
extrorse
pendulous.
Dehiscence.
longitudinal
transverse
porous
valvular.
Form.
linear
oblong
sagitate
ovate
cordate
reniform.
Construction.
No. of cells
dimidiate
awned
beaked.

Pollen. P. 18.
Form.
Quality.

Pollinia. P. 18.
Number.
singly
pairs.
Construction.
sessile
stalked.
Place.
vertical
pendulous
diverging
horizontal.
Form.
Quality.

Pistil. P. 18.

Number.

Construction.
open
closed.

Cohesion.
simple
compound.

Style. P. 18.
Life.
persistent
deciduous
caudate.
Place.
terminal
basilar
lateral.
Attitude.
erect
declinate.
Form.
slender
heavy
filiform
clavate
subulate.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.

Stigma. P. 18.
Place.
terminal
lateral
sessile.
Form.
globular
discoid
hemispherical
lobed
filiform
linear
petaloid
plumous
stellate
radiate
rostrate
cuculiate
flabellate
geniculate.

Ovary. P. 18.
No. of Cells
Adhesion.
superior
half-superior
inferior.
Form. P. 19.
ovoid
oblong
oblique
globular
conical
terete
linear
lobed
margined.
Surface. P. 6.
a.....*b*.....*c*.....
Placentation.
parietal
axillary
free-central.

Ovules. P. 19.

Place.
erect
ascending
pendulous
suspended
horizontal.

Number

Construction.
orthotropous
anatropous
amphitropous
campylotropous

FRUIT. § 12.

Number.
celled
carpeled.

Dehiscence. P. 19

indehiscent
valvular
septicidal
septifragal
loculicidal
porous
circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
achenium
cremocarp
cypsela
utricle
caryopsis
samara
nut.
One-seeded, 2 or 3-coated.
drupe
etærio
tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
berry
herperidum
pepo
hip.

Dehiscent. P. 20.
Circumscissile.
pyxis.
Valvular, 1-carpeled.
follicle
legume
loment
cochlea.
Valvular, 2 to ∞-carpeled.
silique
silicle
capsule
regma.

Confluent. P. 20.
strobile
sorosis.

Form.

Surface. P. 6.
a.....*b*.....*c*.....

Color.

Texture.

SEED. § 13.

Number.

Construction.
albuminous
exalbuminous.

Surface. P. 6.
a.....*b*.....*c*.....

Color. P. 6.

Appendages.

aril
caruncle
cauda
coma
funiculus
strophiole
wing.

Albumen. P. 21.

Quantity.

Quality.
cartilaginous
corneous
farinaceous
fleshy
oily
mucilaginous
ruminated
translucent.

Embryo. P. 21.

Place.
axial
basilar
excentric
peripheric.

Form.
slender
coiled
accumbent
incumbent
conduplicate.

Size.

Cotyledons. P. 21

Number.

Form.
thickened
foliaceous.

Size.

Plumule. P. 21.

Form.
foliaceous
gemmate.

Size.
conspicuous
inconspicuous.

Radicle. P. 21.

Place.
superior
inferior
centripetal
centrifugal
vague.

Size.
long
short.

Locality...... (Date).....

Classification......

Order......

Name. { Latin. ..... English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height
ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.
Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.
Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....b.....c.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) Outline.
1 filiform
2 acicular
3 subulate
4 ensiform
5 linear
6 ovate
7 lanceolate
8 deltoid
9 orbicular
10 elliptical
11 oval
12 oblong
13 obovate
14 oblanceolate
15 spatulate
16 cuneate.
17
(b) Base.
1 acuminate
2 acute
3 obtuse
4 truncate
5 cordate
6 auriculate
7 sagittate
8 hastate
9 peltate
10 reniform
11 clasping
12 connate
13 decurrent.
14
(c) Apex. P. 9.
1 acuminate
2 acute
3 obtuse
4 truncate
5 retuse
6 emarginate
7 bifid
8 obcordate
9 cuspidate
10 mucronate
11 aristate.
12
(d) Margin. P. 10.
1 revolute
2 entire
3 serrate
4 dentate
5 serrulate
6 denticulate
7 crenate
8 crenulate
9 repand
10 undulate
11 sinuate
12 ciliate
13 fimbriate
14 incised
15 pinnatifid
16 pectinate
17 pinnatisect
18 lyrate
19 runcinate
20 lobed
21 cleft
22 parted
23 divided.
24
Size.
Surface. P. 6.
(a) Not Hairy.
1 glabrous
2 pruinous
3 pulverulent
4 dotted
5 punctate
6 maculate
7 verrucous
8 glandular
9 scabrous.
10
(b) Hairy.
1 pubescent
2 puberulent
3 pilous
4 villous
5 lanuginous
6 tomentous
7 sericeous
8 cobwebby
9 velvety
10 floccous
11 hoary.
12
(c) Bristly.
1 aculeate
2 echinate
3 hispid
4 muricate
5 spinous
6 stinging
7 strigous.
8
Texture. P. 6.
Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
colling
tubular
split
striate.
Size.
Surface.
a.....b.....c.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a.....b.....c...d.....
INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.
Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.
Appendages. P. 11
Pedunele.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface. P. 6.
a.....b.....c.....
Color.
Texture. P. 6.
membranous
coriaceous
succulent
scarious
herbaceous
petaloid
rugous
crispate.
Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a.....b.....c.....d.....
Surface.
Color.
Texture. P. 6.
Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.
FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dicœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.
Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.
Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.
Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
saccate
inflated.
Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 18.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

Color. P. 6.
.....calyx
.....corolla.
.....
Texture. P. 6.
.....calyx
.....corolla.
Surface. P. 6.
.....calyx
.....corola.
a ....*b* .....*c*.....

Sepals, Petals.

Life.
.....persistent
.....deciduous
.....withering
.....caducous.
Number.
.....sepals
.....petals.
Æstivation.
.....valvate
.....induplicate
.....reduplicate
....contorted
.....convolute
.....imbricate
.....quincuncial
.....vexillary
.....plicate
.....supervolute
.....crumpled.
Attitude.
.....erect
.....sessile
.....spreading
.....reflexed
.....inflected
.....unguiculate
....coherent.
Form. Pp. 9, 10.
Sepals.
a....*b*....*c* ...*d*...
.....
Petals.
a ...*b*....*c*....*d*...
.....
Nectary. P. 17.
.....
Corona. P. 17.
.....

Stamens. § 11.

Number.....
Place.
.....alternating
.....opposing
.....exserted
.....included
.....connivent
.....ascending
.....declining.
Insertion.
.....hypogynous
.....perigynous
.....epigynous
.....epipetalous
.....gynandrous.
Cohesion.
.....adelphous
.....syngenesious.
Construction.
.....sessile
.....sterile
.....didynamous
....tetradynamous
.....irritable.
Filament. P. 17.
Form.
.....capillary
.....filiform
.....flattened
.....toothed
....spurred
.....heavy.
Surface. P. 6.
a .....*b* .....*c*.....
Color.
.....
Anther. P. 18.
Place.
.....innate
.....adnate
.....versatile
.....introrse
.....extrorse
.....pendulous.
Dehiscence.
.....longitudinal
.....transverse
.....porous
.....valvular.
Form.
.....linear
.....oblong
.....sagitate
.....ovate
.....cordate
.....reniform.
Construction.
.....No. of cells
.....dimidiate
.....awned
.....beaked.
Pollen. P. 18.
Form.
... .
Quality.
.....
Pollinia. P. 18.
Number.
.....singly
.....pairs.
Construction.
.....sessile
.....stalked.
Place.
.....vertical
.....pendulous
.....diverging
.....horizontal.
Form.
.....
Quality.
.....

Pistil. P. 18.

Number.....
Construction.
.....open
.....closed.
Cohesion.
.....simple
.....compound.
Style. P. 18.
Life.
.....persistent
.....deciduous
.....caudate.
Place.
.....terminal
.....basilar
.....lateral.
Attitude.
.....erect
.....declinate.
.....
Form.
.....slender
.....heavy
.....filiform
.....clavate
.....subulate.
.....
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.
.....
Stigma. P. 18.
Place.
.....terminal
.....lateral
... .sessile.
Form.
.....globular
.....discoid
.....hemispherical
.....lobed
.....filiform
.....linear
.....peltaloid
.....plumous
.....stellate
.....radiate
.....rostrate
.....cuculiate
....flabellate
... ...geniculate.
.....
Ovary. P. 18.
.....No. of Cells
Adhesion.
..... superior
.....half-superior
.....interior.
Form. P. 19.
.....ovoid
.....oblong
.....oblique
.....globular
.....conical
....terete
.....linear
.....lobed
.....margined.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Placentation.
.....parietal
.....axillary
.....free-central.

Ovules. P. 19.

Place.
.....erect
.....ascending
.....pendulous
.....suspended
.....horizontal.
Number.....
Construction.
..... orthotropous
.....anatropous
.....amphitropous
....campylotropous

FRUIT. § 12.

Number.....
.....celled
.....carpeled.

Dehiscence. P. 19

.....indehiscent
.....valvular
.....septicidal
.....septifragal
.....loculicidal
.....porous
....circumscissile.

Kinds. P. 19.

Indehiscent.
One-seeded, one-coated.
.....achenium
.....cremocarp
.....cypsela
.....utricle
.....caryopsis
.....samara
.....nut.
One-seeded, 2 or 3-coated.
.....drupe
.....etærio
.....tryma.
Fleshy or Pulpy, 2 to ∞-seeded.
.....berry
.....herperidum
.....pepo
.....hip.
Dehiscent. P. 20.
Circumscissile.
.....pyxis.
Valvular, 1-carpeled.
.....follicle
..... legume
..... loment
.....cochlea.
Valvular, 2 to ∞-carpeled.
.....silique
.....silicle
.....capsule
.....regma.
Confluent. P. 20.
.....strobile
.....sorosis.
Form.
.....
Surface. P. 6.
a.....*b*..... *c*.....
Color.
.....
Texture.
.....

SEED. § 13.

Number.....

Construction.

.....albuminous
....exalbuminous.

Surface. P. 6.

a.....*b*.....*c*.....

Color. P. 6.

.....

Appendages.

.....aril
.....caruncle
.....cauda
.....coma
.....funiculus
.....strophiole
.....wing.

Albumen. P. 21.

Quantity.
.....
Quality.
.....cartilaginous
.....corneous
.....farinaceous
....fleshy
.....oily
.....mucilaginous
.....ruminated
.....translucent.

Embryo. P. 21.

Place.
.....axial
.....basilar
.....excentric
..... peripheric.
Form.
.....slender
.....coiled
.....accumbent
.....incumbent
.....conduplicate
Size.
.....

Cotyledons. P. 21

Number.....
Form.
.....thickened
.....foliaceous
.....
Size.
.....

Plumule. P. 21.

Form.
.....foliaceous
.....geminate.
Size.
.....conspicuous
....inconspicuous.

Radicle. P. 21.

Place.
.....superior
....inferior
.....centripetal
.....centrifugal
.....vague.
Size.
.....long
.....short.
.....

Locality......(Date).....

Classification......

Order......

Name. { Latin. ..... / English. .....

Remarks......

CHECK TABLET. No.

THE PLANT.
Life. § 1.
annual
biennial
perennial.
Habitat. Page 5.
terrestrial
aquatic
parasitic
aerial.
Height

ROOT. § 2.
Kinds. P. 6.
conical
fusiform
napiform
ramous
fibrous
fasciculate
nodulous
moniliform
tubercular.

Color. P. 6.

STEM. § 3.
Life. P. 7.
herbaceous
fruticous
suffruticous
arboreous.
Growth.
exogenous
endogenous.
Direction. P. 7.
erect
decumbent
prostrate
climbing
twining
diffuse.
Branching. P. 7.
simple
furcate
brachiate
excurrent
solvent
with runners
stoloniferous.

Kinds. P. 7.
Leaf-stems.
culm
caulis
trunk
vine.
Scale-stems.
rhizome
corm
bulb
tuber
creeper.
Forms. P. 7.
solid
tubular
terete
angular
striate
grooved
premorse
thorns
tendrils.
Surface. P. 6.
a.....*b*.....*c*.....
Color. P. 6.

LEAVES. § 4.
Life. P. 7.
persistent
deciduous
caducous.
Vernation. P. 7.
straight
reclined
conduplicate
plicate
circinate
convolute
revolute
involute
equitant
obvolute
triquetrous.
Position. P. 8.
radical
rameal
cauline.
Phyllotaxy. P. 8.
alternate
fasciculate
opposite
decussate
verticillate
cycle.
Venation. P. 8.
Parallel.
straight
curved
transverse.
Netted.
Pinni-veined
tripli-veined
Palmi-veined.
Constitution. P. 8
sessile
petiolate
stipulate
exstipulate
perfoliate
cirrhous.
Composition. P. 8
Simple.
Compound.
pinnate
palmate
foliate.
decompound.
Blade. P. 9.
(a) **Outline.**
1. filiform
2. acicular
3. subulate
4. ensiform
5. linear
6. ovate
7. lanceolate
8. deltoid
9. orbicular
10. elliptical
11. oval
12. oblong
13. obovate
14. oblanceolate
15. spatulate
16. cuneate.
17.
(b) **Base.**
1. acuminate
2. acute
3. obtuse
4. truncate
5. cordate
6. auriculate
7. sagittate
8. hastate
9. peltate
10. reniform
11. clasping
12. connate
13. decurrent.
14.
(c) **Apex.** P. 9.
1. acuminate
2. acute
3. obtuse
4. truncate
5. retuse
6. emarginate
7. bifid
8. obcordate
9. cuspidate
10. mucronate
11. aristate.
12.
(d) **Margin.** P. 10.
1. revolute
2. entire
3. serrate
4. dentate
5. serrulate
6. denticulate
7. crenate
8. crenulate
9. repand
10. undulate
11. sinuate
12. ciliate
13. fimbriate
14. incised
15. pinnatifid
16. pectinate
17. pinnatisect
18. lyrate
19. runcinate
20. lobed
21. cleft
22. parted
23. divided.
24.
Size.

Surface. P. 6.
(a) **Not Hairy.**
1. glabrous
2. pruinous
3. pulverulent
4. dotted
5. punctate
6. maculate
7. verrucous
8. glandular
9. scabrous.
10.
(b) **Hairy.**
1. pubescent
2. puberulent
3. pilous
4. villous
5. lanuginous
6. tomentous
7. sericeous
8. cobwebby
9. velvety
10. floccous
11. hoary.
12.
(c) **Bristly.**
1. aculeate
2. echinate
3. hispid
4. muricate
5. spinous
6. stinging
7. strigous.
8.

Texture. P. 6.

Color
Petiole. P. 10.
Form.
terete
semiterete
channeled
margined
compressed
phyllodia
clasping
sheathing
coiling
tubular
split
striate.
Size.
Surface.
a.....*b*.....*c*.....
Stipules. § 6.
Life. P. 11.
persistent
deciduous
fugaceous.
Kind.
ligule
ochrea
tendril
spinous
foliaceous
intrafoliac.
setaceous.
Adhesion.
free
adnate
clasping.
Form.
a....*b*....*c*...*d*....

INFLORESCENCE. § 7.
Position. P. 11.
terminal
axillary
radical
erect
nodding
pendulous
secund.

Kinds. P. 11.
Axillary.
solitary
spike
spadix
catkin
raceme
corymb
panicle
thyrse
umbel
head.
Terminal.
solitary
cyme
fascicle
glomerule
verticilaster.

Appendages. P. 11
Peduncle.
Length.
Surface.
Pedicel.
Length.
Surface.
Scape.
Height.
Surface.
Bracts. P. 11.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface. P 6.
a.....*b*.....*c*.....
Color.

Texture. P. 6.
1. membranous
2. coriaceous
3. succulent
4. scarious
5. herbaceous
6. petaloid
7. rugous
8. crispate.
9.

Involucre. P. 12.
Form.
rosaceous
cup-shaped
hemispherical
bell-shaped
cylindrical
conical
ovoid
turbinate.
Kind.
simple
imbricate
calyculate.
Scales.
No. of rows.
Number.
Place.
appressed
erect
spreading
reflexed
loose.
Form. P. 9, 10.
a....*b*....*c*....*d*...
Surface.
Color.
Texture. P. 6.

Receptacle. P. 12
Form.
flat
convex
conical
columnar
globular.
Surface.
naked
alveolate
chaffy
bristly.

FLOWER. § 10.
Plan. P. 15.
merous.
Kind. P. 15.
perfect
staminate
pistillate
neutral
monœcious
dioœcious
polygamous.
Construction.
complete
regular
symmetrical
apetalous
achlamydeous
polypetalous
gamopetalous.
Size.

Torus. P. 16.
plane
convex
conical
ovate
concave
corpophore
entire
forked.

Disk. P. 16.
hypogynous
perigynous
epigynous.
Envelopes. P. 16.
Polyphyllous.
cruciferous
rosaceous
caryophyllac.
liliaceous
papilionac.
orchidaceous.

Gamophyllous.
rotate
saucer-shaped
campanulate
urceolate
funnel-form
salver-form
ligulate
tubular
labiate
bilabiate
galeate
ringent
personate
spurred
succate
inflated.

Margin.
entire
truncate
toothed
lobed
cleft
parted
Pappus. P. 13.
Construction.
simple
double
stiped.
Form.
bristly
awns
scales
capillary
plumose
barbed.

INDEX OF THE GENERA AND SPECIES;

the former in alphabetical order.

	No.

Index of the Genera and Species.

	No.

Index of the Genera and Species.

	No.

Index of the Genera and Species.

	No.